



01 Jan 1970

The Rollamo 1970

University of Missouri - Rolla

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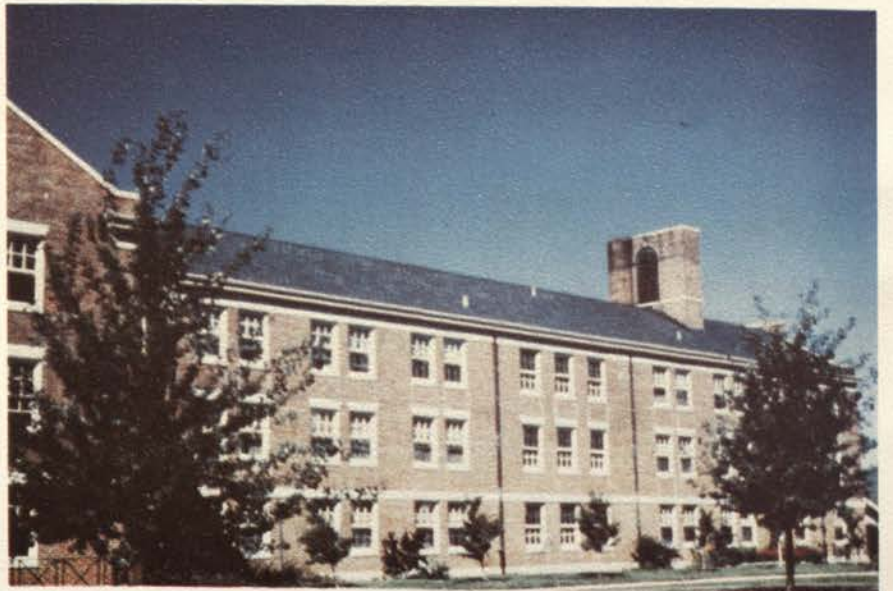
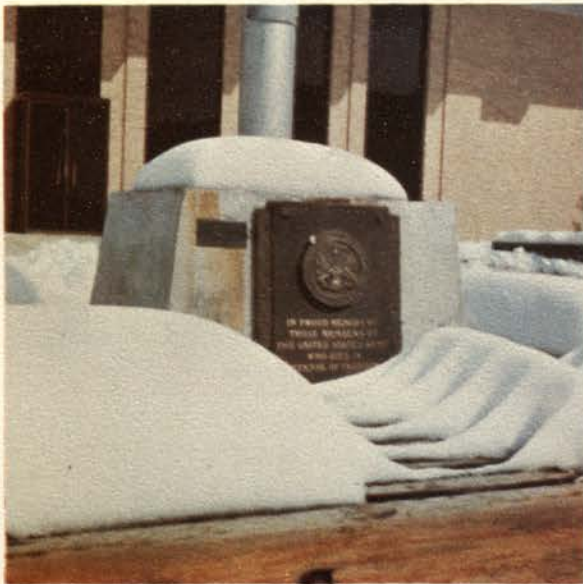
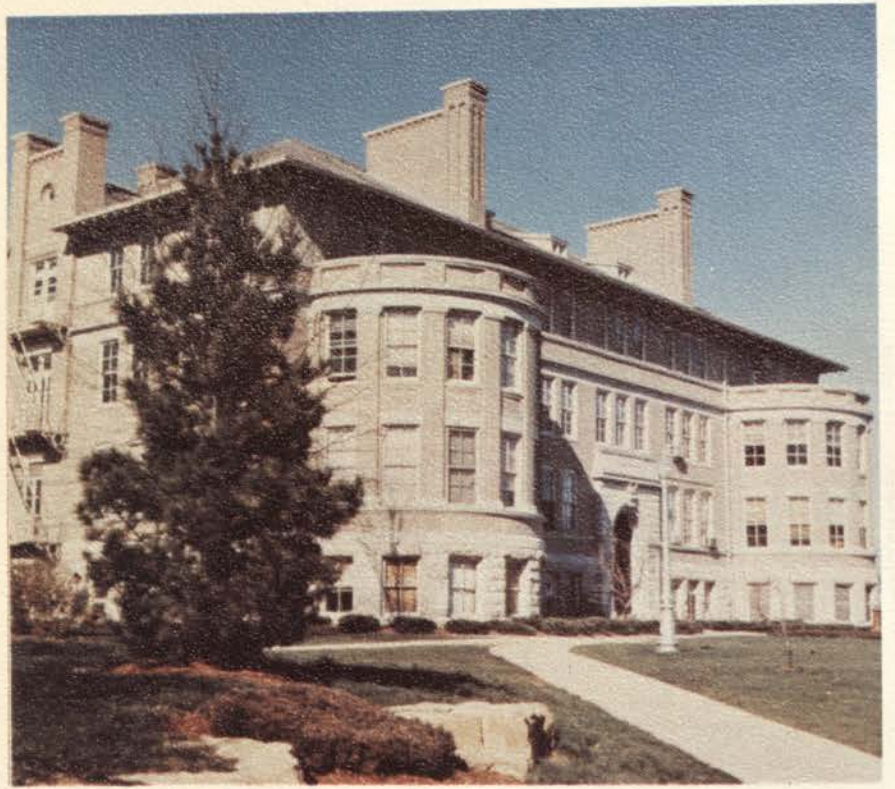
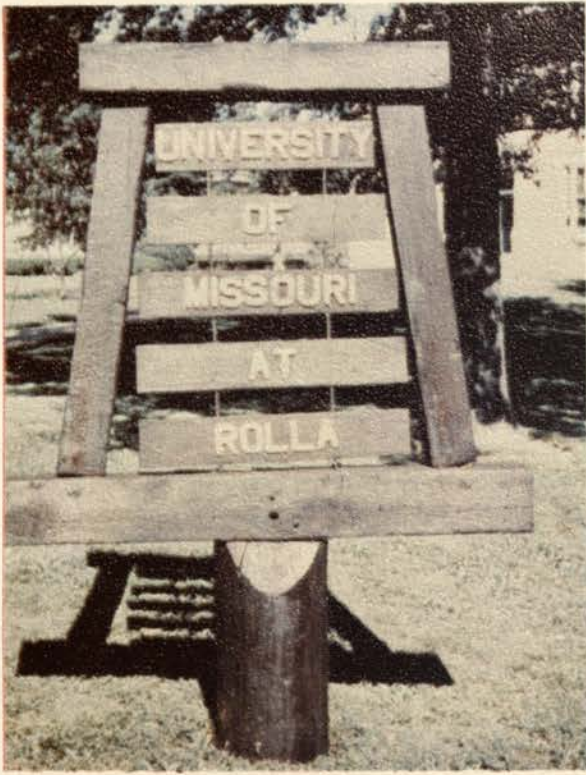


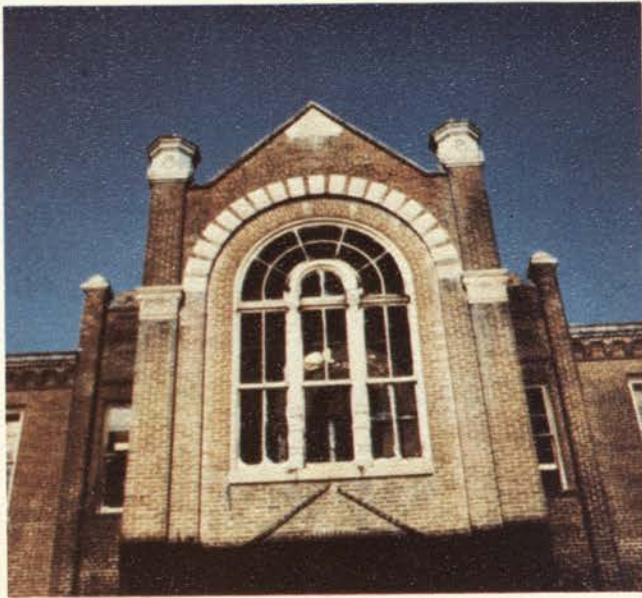


ROLLAMO 1970

University of Missouri-Rolla
Rolla, Missouri
Volume 64

Leon H. Schellman
Editor-in-Chief
W. Keith Wedge
Business Manager



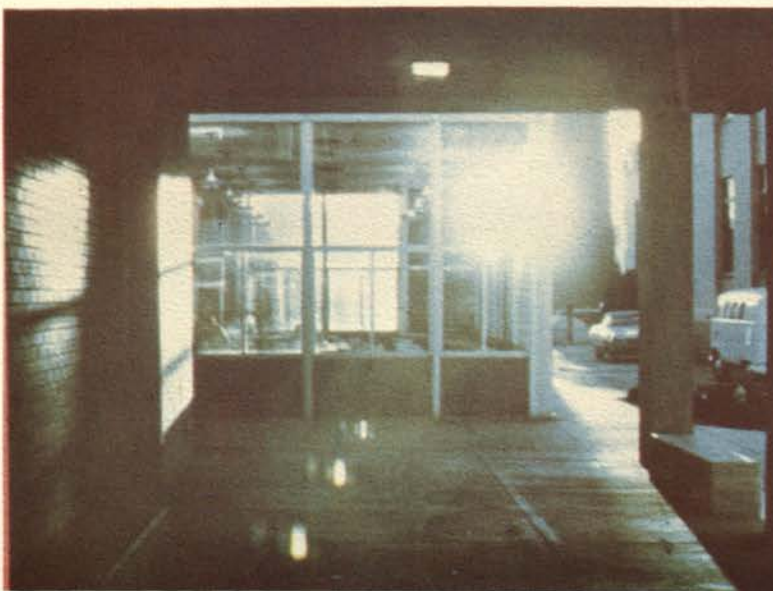
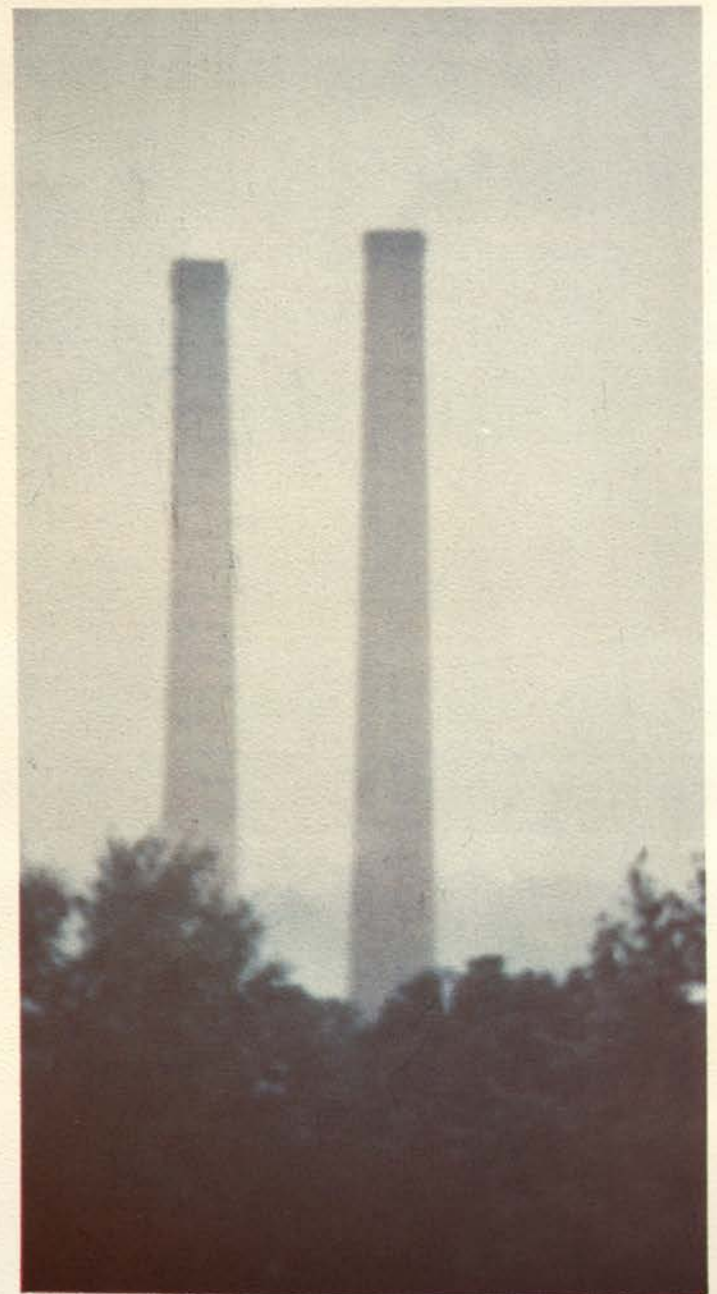
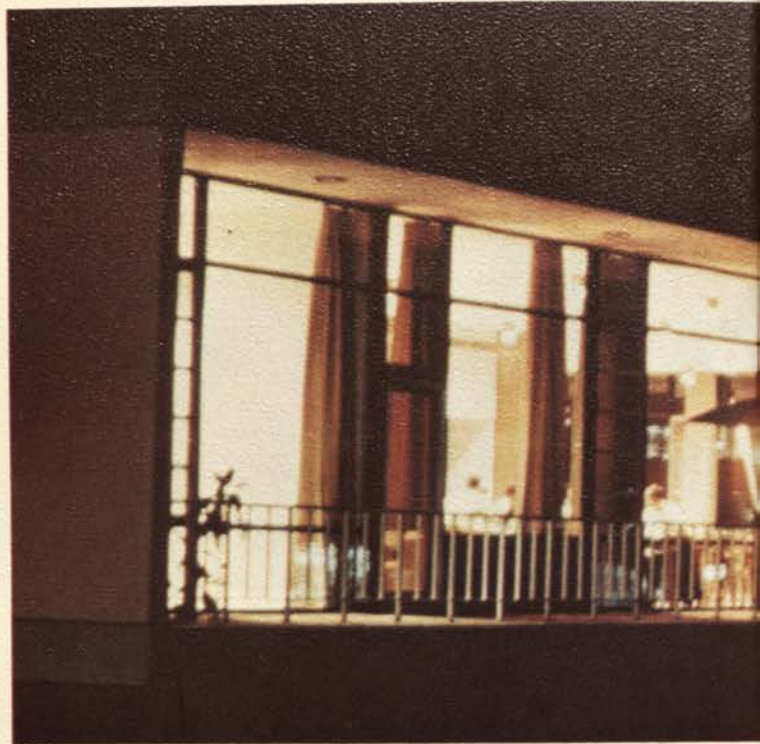


Foreword

Established 100 years ago with the primary purpose of providing support to Missouri's mining and construction industries, the University of Missouri-Rolla has developed into a major contributor of professionally trained engineers to the nation. Due to the primary specialization in those fields of engineering associated with the mineral and construction industries, the University grew slowly during its first 75 years of service. However, due to the expansion and diversity of the nation's economy, UMR has grown tremendously and enrollment is now six times that of the years before World War II. Ranking seventh nationally in total number of bachelor degrees awarded in the engineering curriculum, UMR is the largest engineering school west of the Mississippi River.

With a steady increase in enrollment and rapid expansion of facilities, the University of Missouri-Rolla possesses the necessary qualities for a bright future.





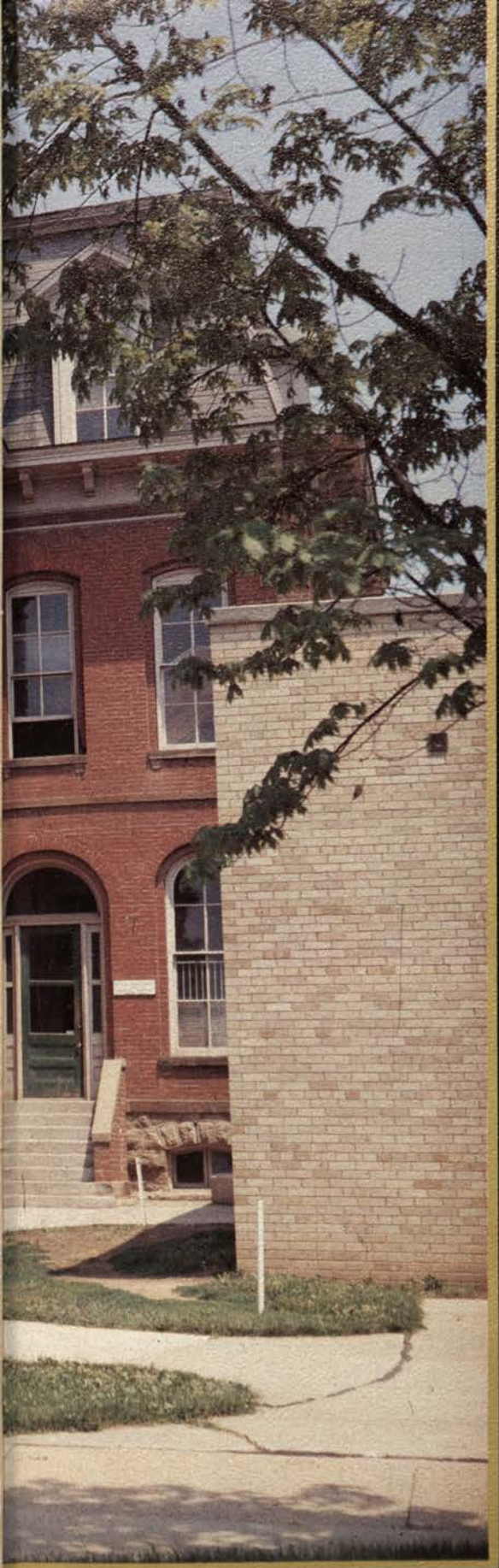


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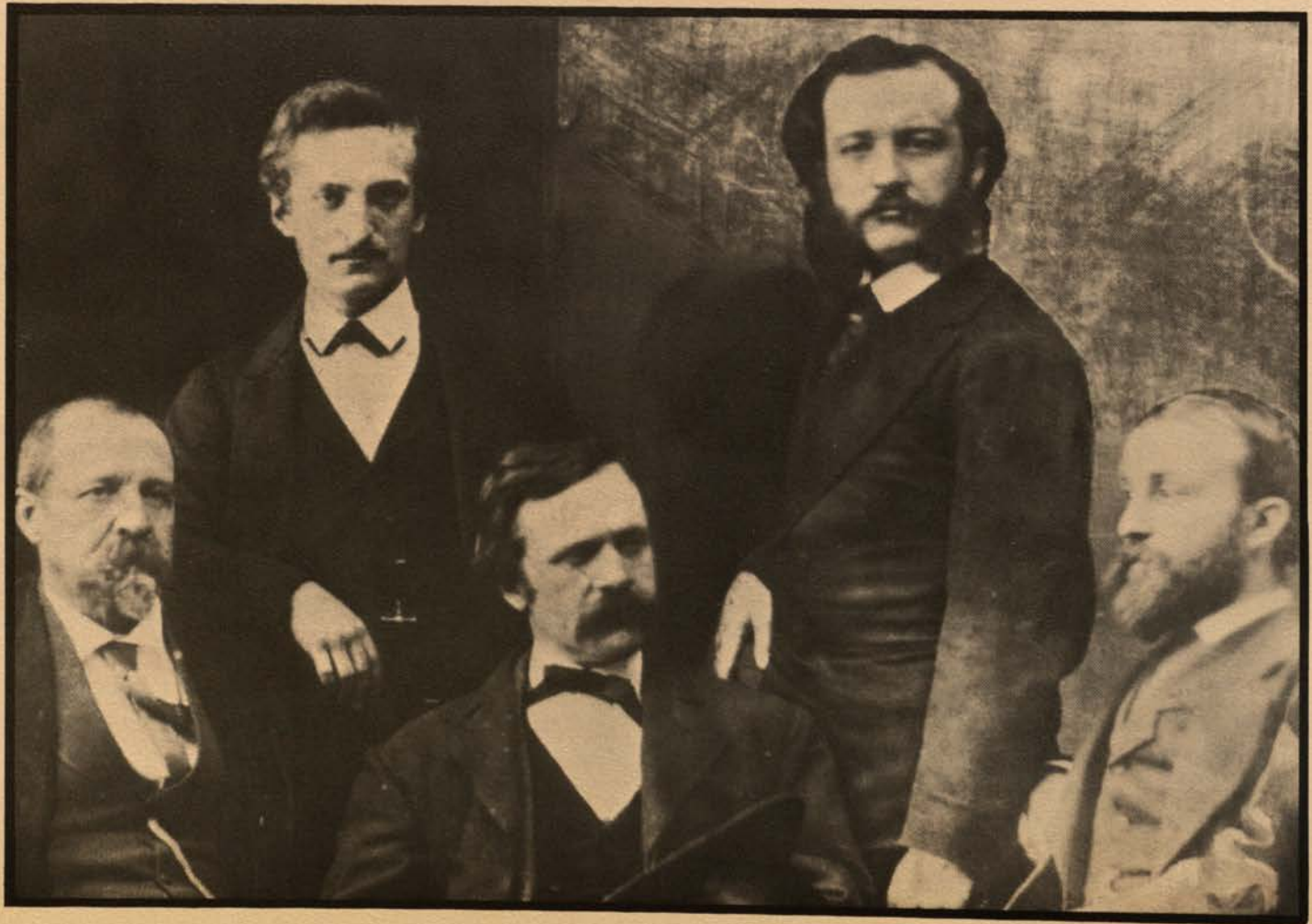
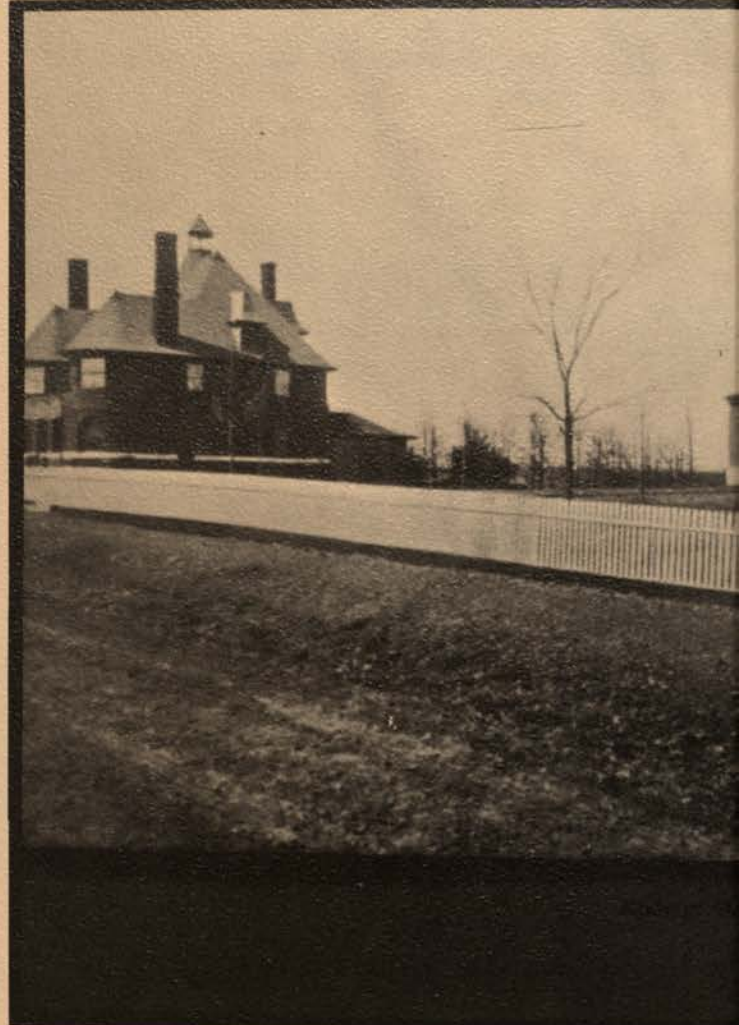
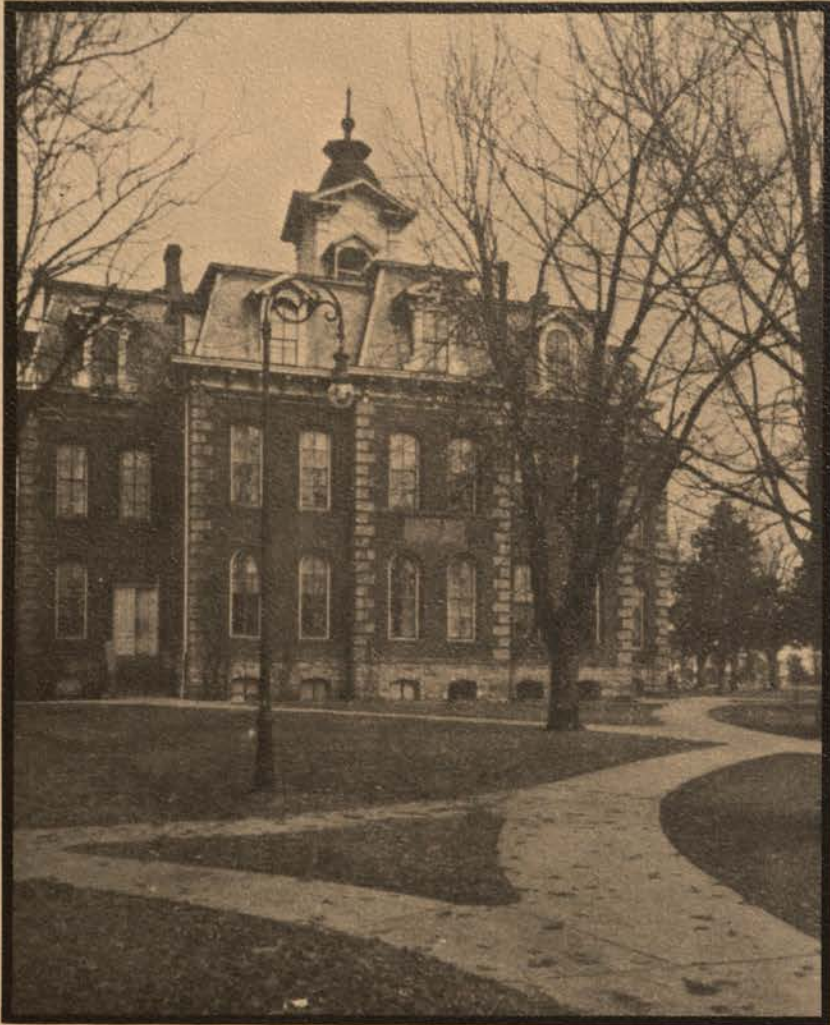






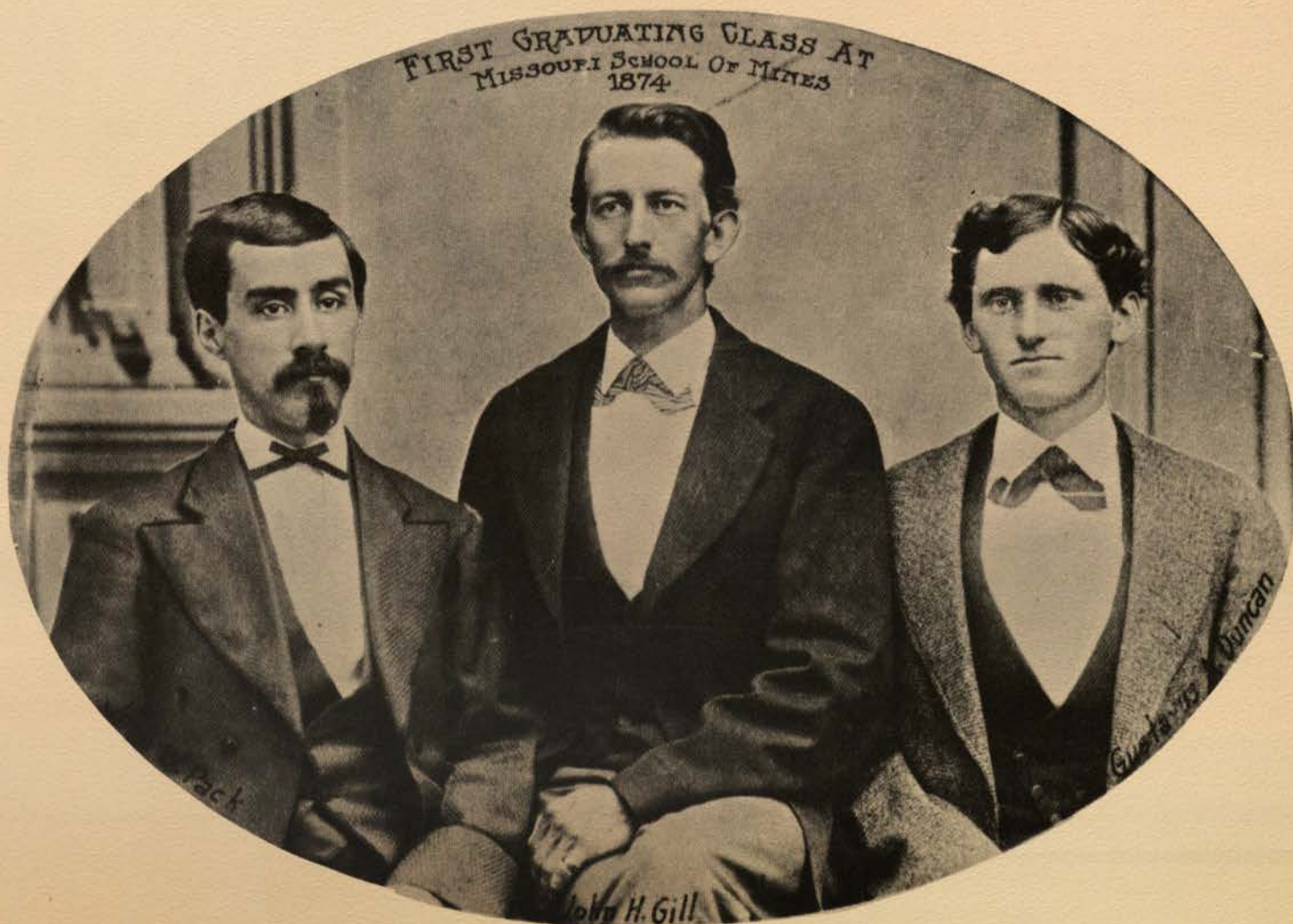
The First 100 Years







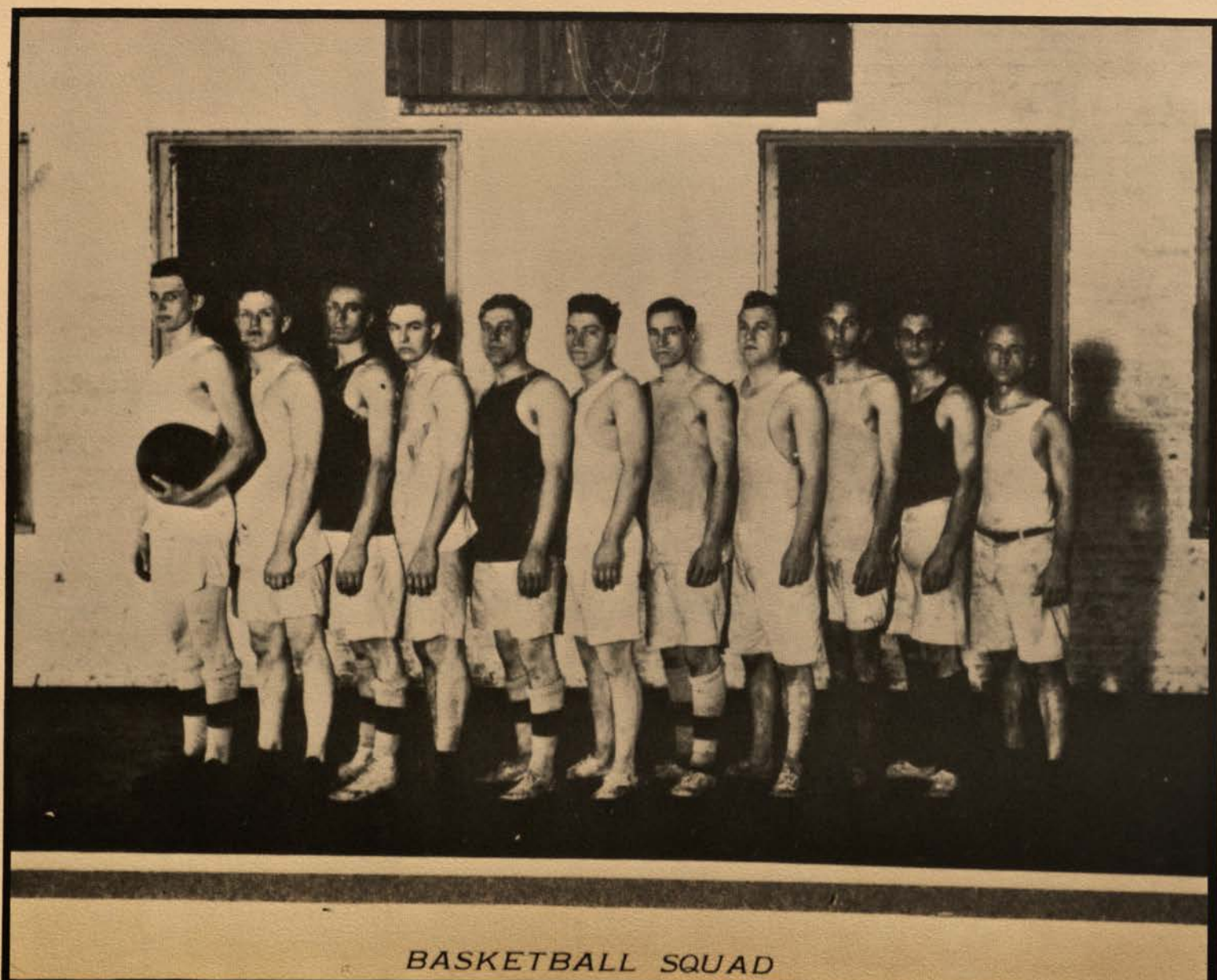
A tiny dew drop
of thought





surrounded by memories
of beauty,
joy . . .





BASKETBALL SQUAD



FRESHMEN!

TAKE HEED YE SUCKLING BABES

— YE —

Yellow-bellied, hunch-backed, bone-headed, polluted masses of iniquity, YE who had the asinine courage to tear yourselves away from your mothers' apron strings, YE slimy vermin of the sewers.

HEARKEN

No, your Lords and Masters, the Class of '24, do ordain and establish the following TRIN COMMANDMENTS to your parents and relatives. Read them as you have bonded the edicts of your trust parents.

- I. Do damn sure not to expose your rotten carcasses upon the ballfields and thoroughfares of Baile after sundown, lest you be treated to an antiseptic visit to LARK PHIBCO.
- II. Do not mess with your lower extraneous success in khaki, corduroy, or mokinik, lest you play havoc to the upper classmen and the Beas.
- III. Do not pollute the clear atmosphere of the campus with Lady Noodle.
- IV. Each attempt of ye milk-sucking apostles to hold any sort of meeting will be fatal mentally, morally and physically.
- V. By order of the SENIORS you are commanded to obliterate all traces of youthful bias from your stupid or phlegmatic.
- VI. Do not allow yourselves to be enticed into the company of any of ROLLIE FOUR HUNDRED.
- VII. Do not run loose on the sidewalks.
- VIII. Do not drink hydrochloric lemonade, bite glass tubing, or throw out the gas. NOTE: Filter vapors into use in the laboratory only.
- IX. Be certain as hell to remove all jewelry and other adornments reminiscent of your childish high school days, lest they go into the cigarette band of the Sophomore Class.
- X. LAST and FINALLY, fear, honor and OBEY your superiors, the upper classmen, and YOUR masters, the SENIORS.

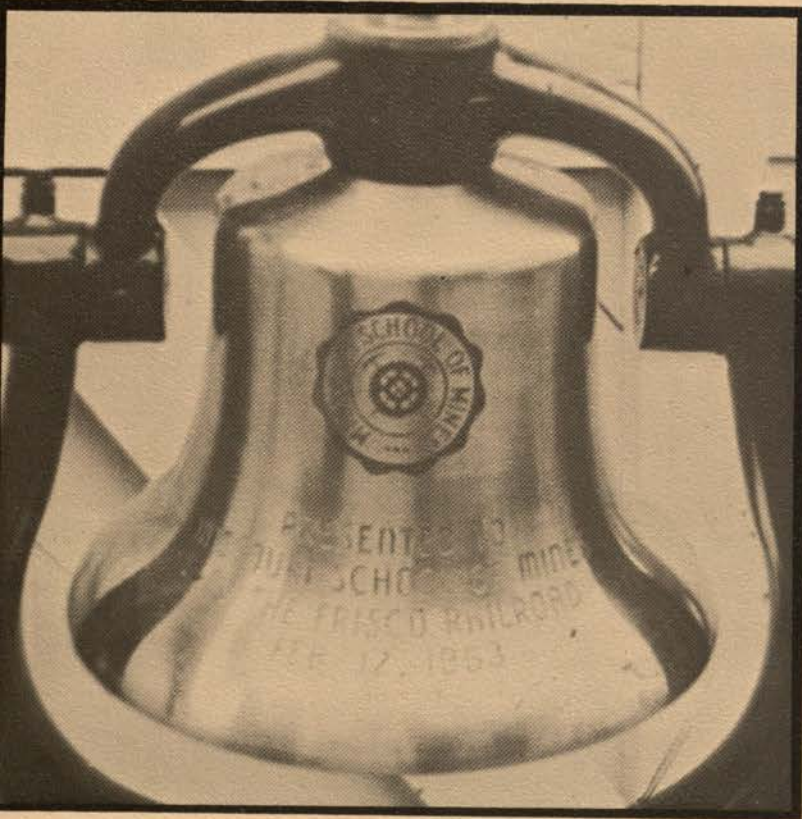
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Heed the foregoing. Conduct yourselves with humility and decorum, that your lives may be lengthened thereby. Disregard the above and your fates are sealed.

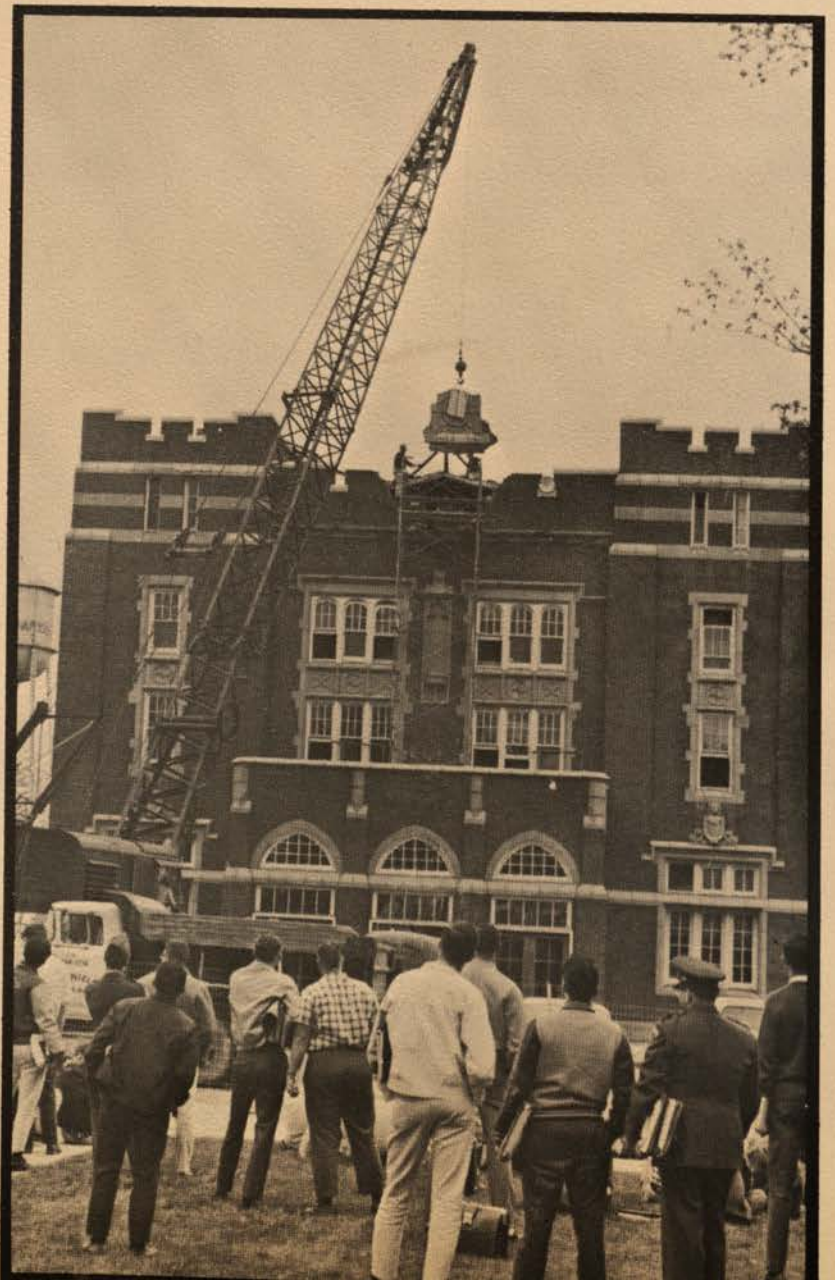
## THE SOPHOMORES.

... oneness,  
loneness ...

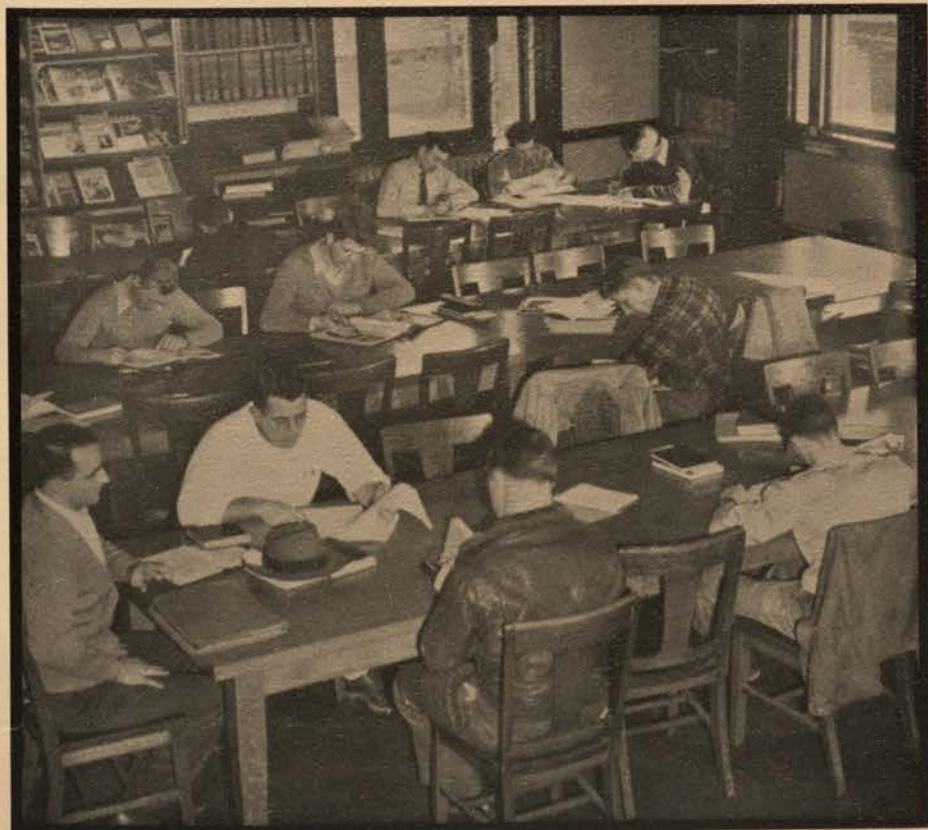
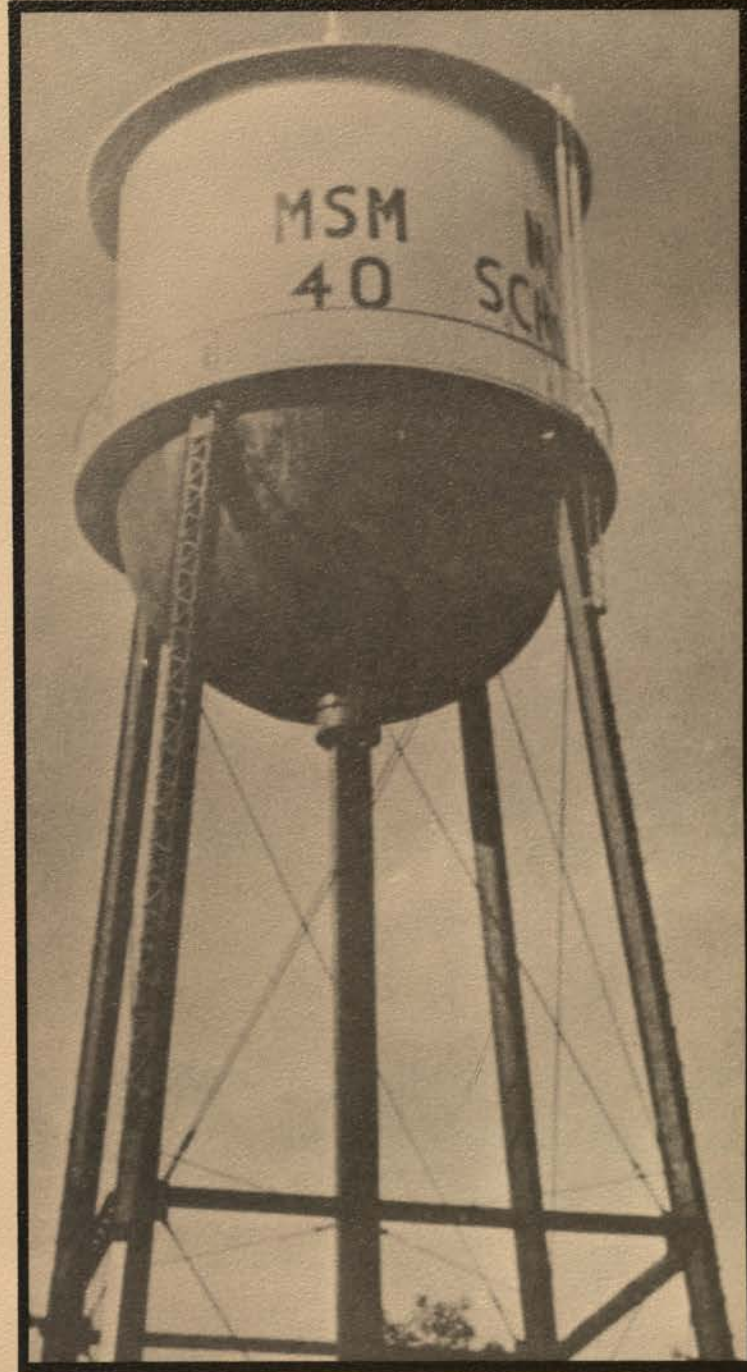
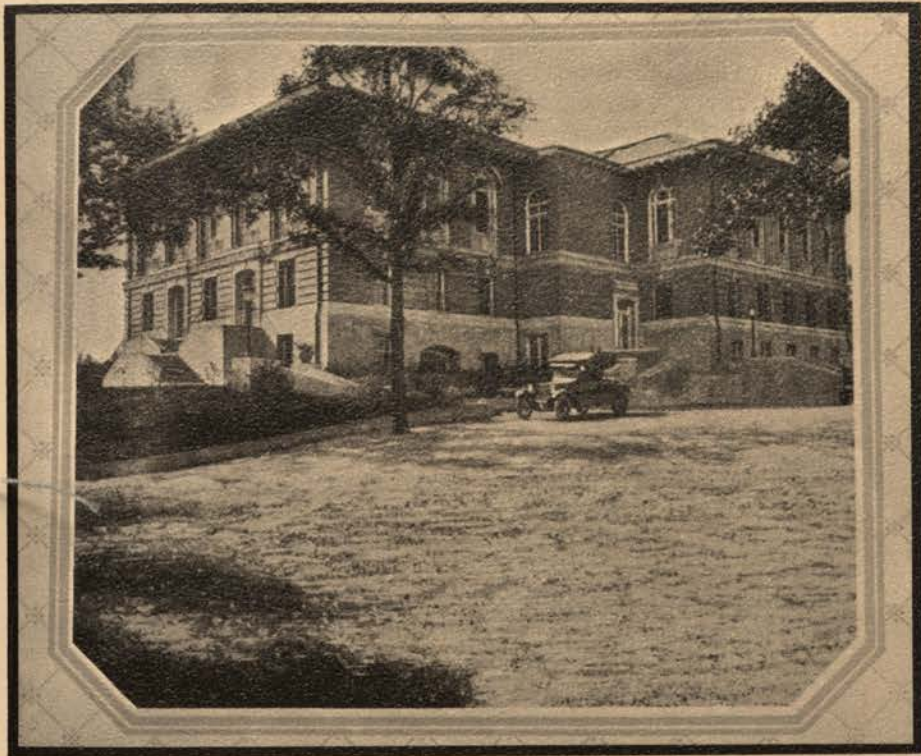




a future memory of past  
a past memory of future

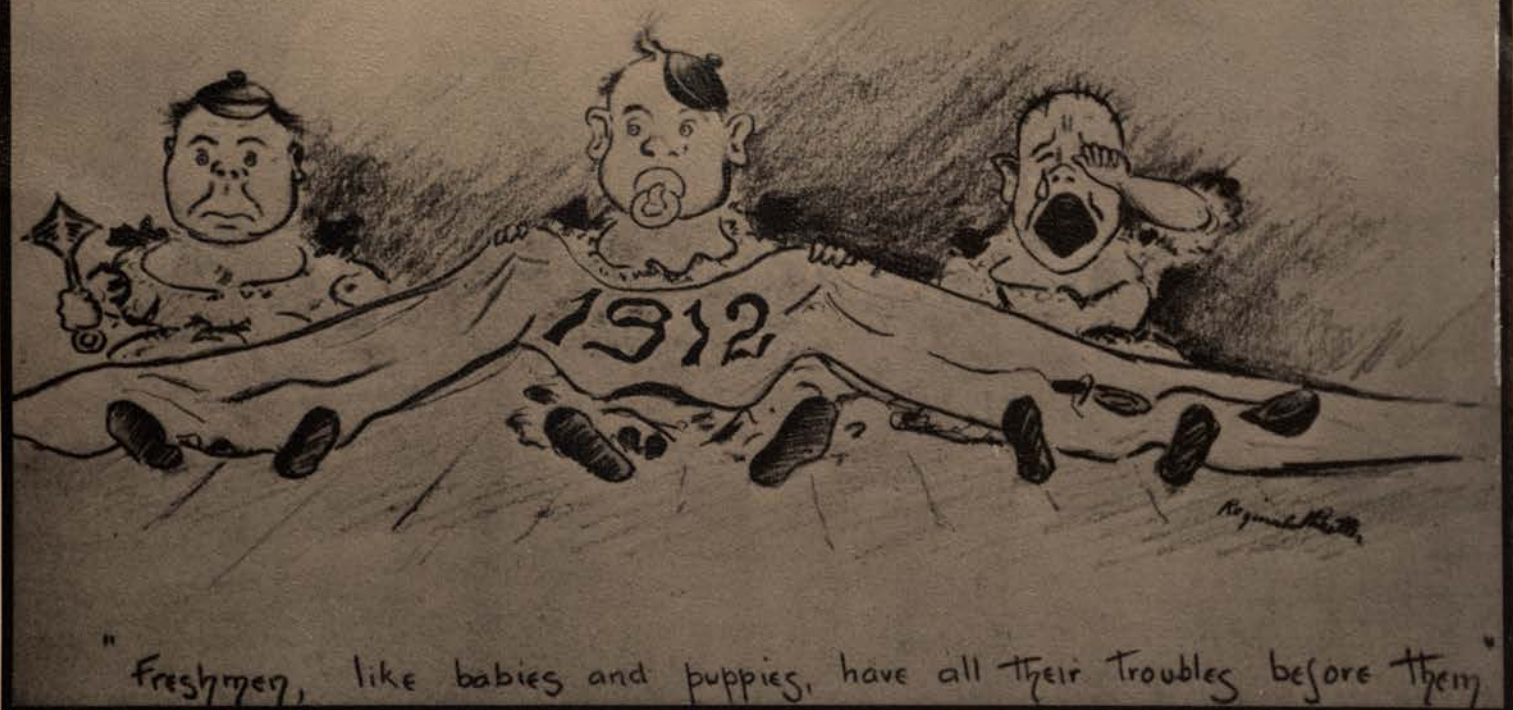








# FRESHMEN.



## HAZING ABOLISHED

**DRASTIC ACTION HAS BEEN TAKEN BY FACULTY IN REGARD TO PERNICIOUS TRADITION OF HAZING FRESHMEN.**

As a result of the investigations carried on by the Discipline Committee, the faculty on last Monday held a meeting in conjunction with the Student Council in the Engine House. After mature consideration of the matter at hand, the following rules were adopted:

1. Sophomores must be nice to Freshmen.
2. Upon meeting a Freshman, upperclassmen shall dangle the hat upon the left shoulder and execute three obsequious courtesies.
3. Freshmen shall be met at the station by the upperclassmen Bon Bon Committee.
4. No stronger language than "O Fig," "Shoot," "O May Apple," or "Fruit Cake" shall be used by the Sophs.
5. The leading social event of the year shall be held on the first Monday night, at which event upperclassmen shall be hosts to Freshmen. Nutritious milk shall be supplied through the agency of funnels, in order that the lacteal fluid shall not besmear their childish raiment.

The appreciation of the faculty's action is shown by the following letters received from anxious parents:

Dear Faculty:

I think it is just too sweet of you to make the boys stop hazing. I know last year Chester came home with real wet feet, and I'm sure it resulted from hazing. Roy is coming to M. S. M. next year, and now we feel confident that he won't be hazed.

Very sincerely,

MRS. X.

To the Faculty:

Father and I have read with such interest the report of the action you have taken against hazing, and we feel assured that our dear will be safe at M. S. M. now that the serpent is crushed.

Gratefully,

MRS. Z.

Dear Professors of the Faculty:

Our oldest boy, Parkhurst, is counting the days up to the time when he shall start to college. He was the valedictorian of his class, and really has a remarkable intellect. We are expecting great things of him when he gets to be a college man, and you don't know how comfortable your action made us feel. We are now confident that he will not be hindered by those older boys, and wish to thank you for the noble stand you have taken in the matter.

Yours faithfully,

MRS. U.



## THE ROLLA GIRLS

By One Who Loved and Lost.

Here is to the girls you fussed, Sir,  
When you were here in school,  
And to the same girls I fuss, Sir,  
Who make me act a fool.

The girls who tell of times gone by—  
(Ye Gods! How well they keep!)  
Who speak of good old fussing days  
With barely time to sleep.

Who talk of "Bill" and "Jack" and "Ned"  
In terms of great endearment,  
Who sail right in and raise the dead  
And keep them from interment.

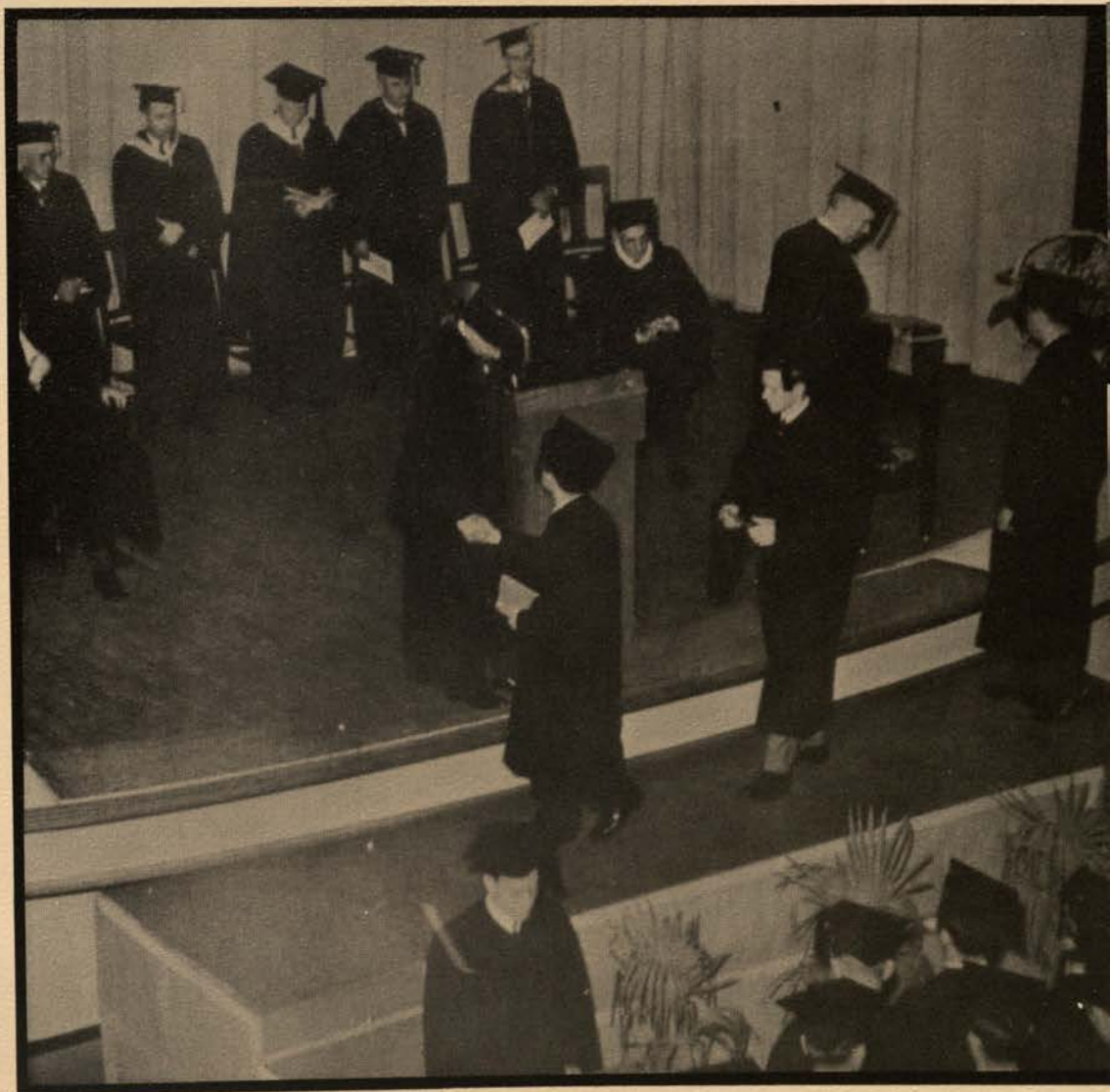
Who, when you feel you've won a home  
And gained much love and—kisses,  
Tell you it's time for you to roam  
And look for other Misses.

Of course we know they are good old scouts  
And all that sort of thing—  
Yet it's no wonder the old love bouts  
Did not bring on the wedding ring.

I guess they were as fickle then,  
In the old days in dear Rolla,  
And always looking for new men  
To beat our time all hollow.

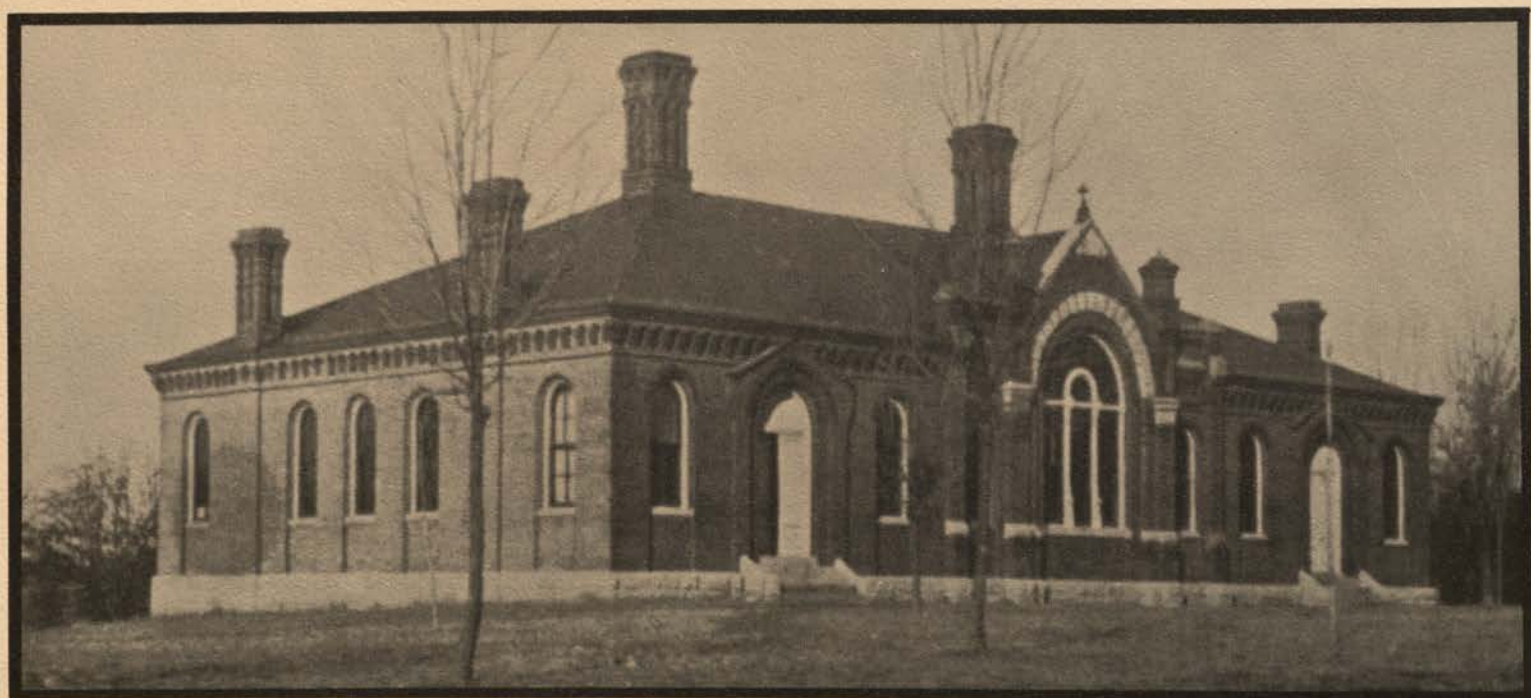
Yet, tho we know they've loved a bunch,  
We love them still. Can't help it!  
And when we're gone, I have a hunch  
That there will be about nine hundred  
and ninety-nine more of us who will follow in the  
footsteps of the nine thousand, nine hundred  
and ninety-nine of us who have passed away  
and will love the same old girls, who will  
merely fix their hair a different way, buy  
some brighter paint and look just as young  
as ever.

linked in a chain  
of experience,  
held by the tension  
of time,

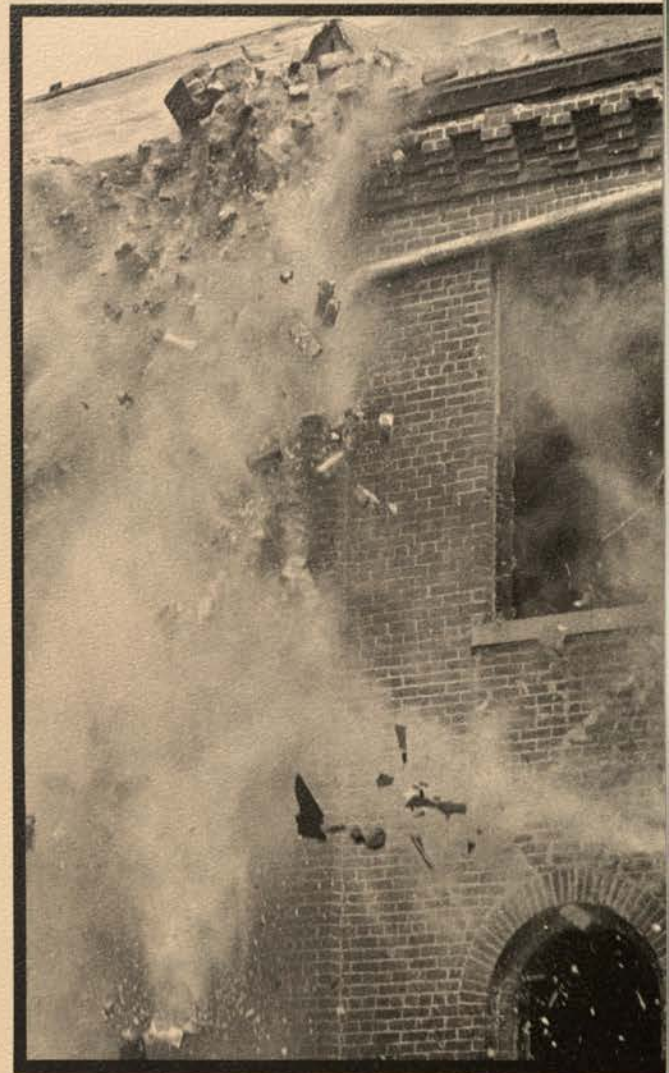
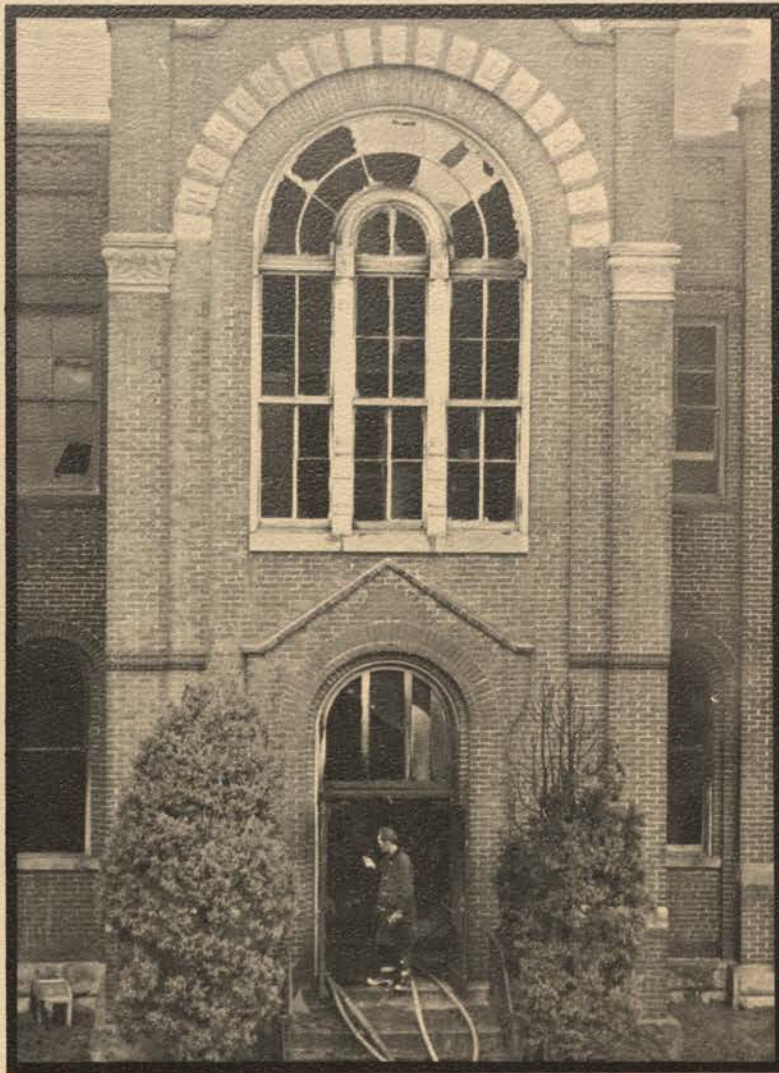




100 years — a century . . .  
too great a span to reason,

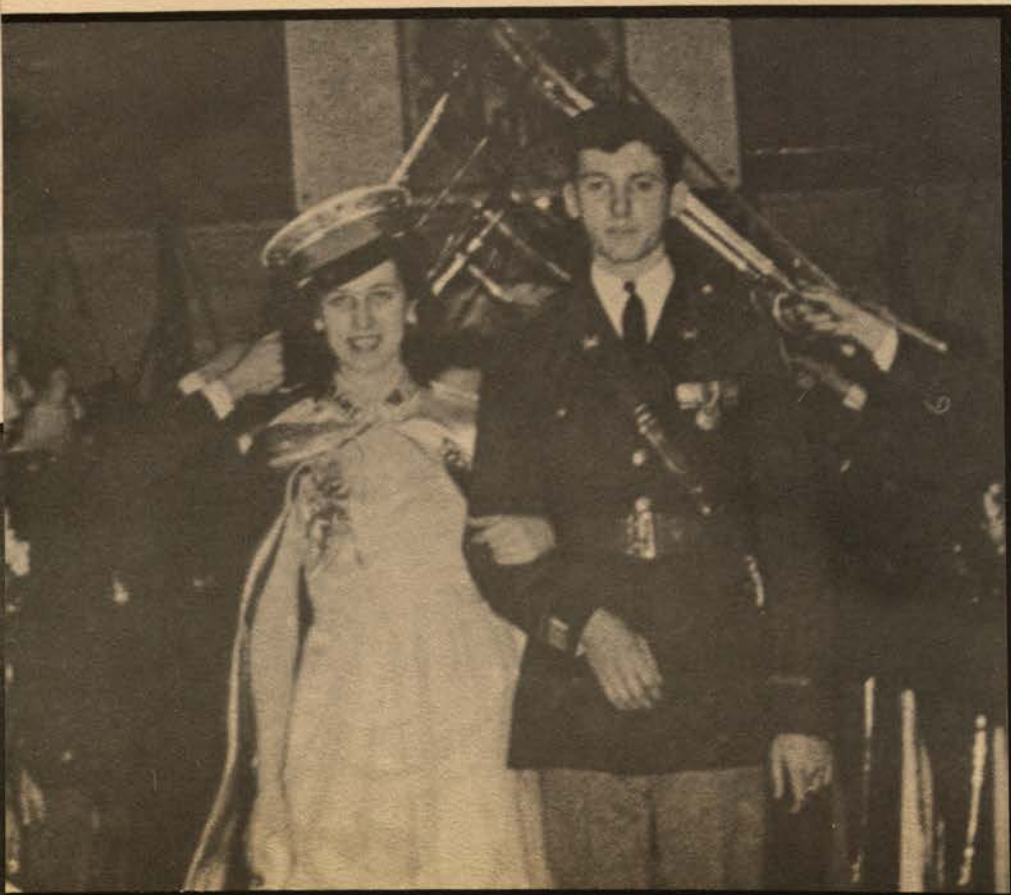
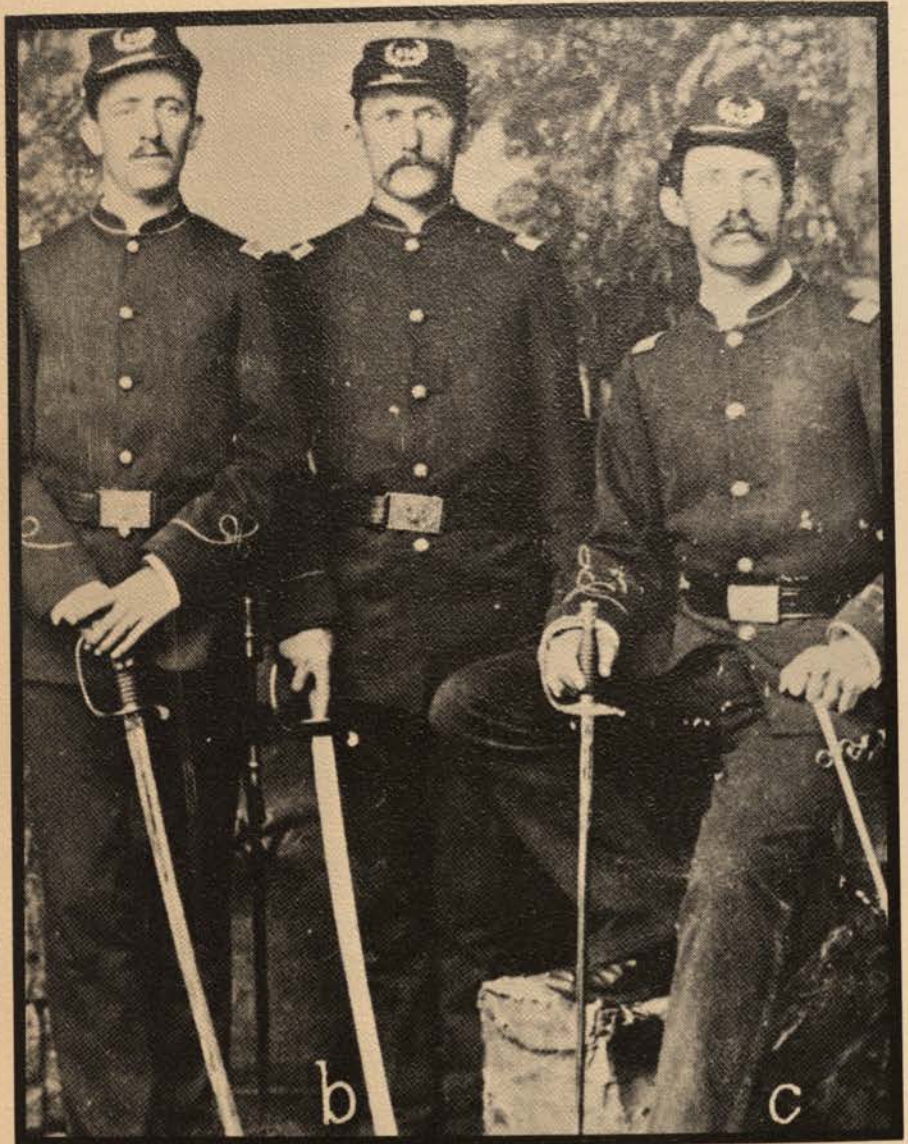






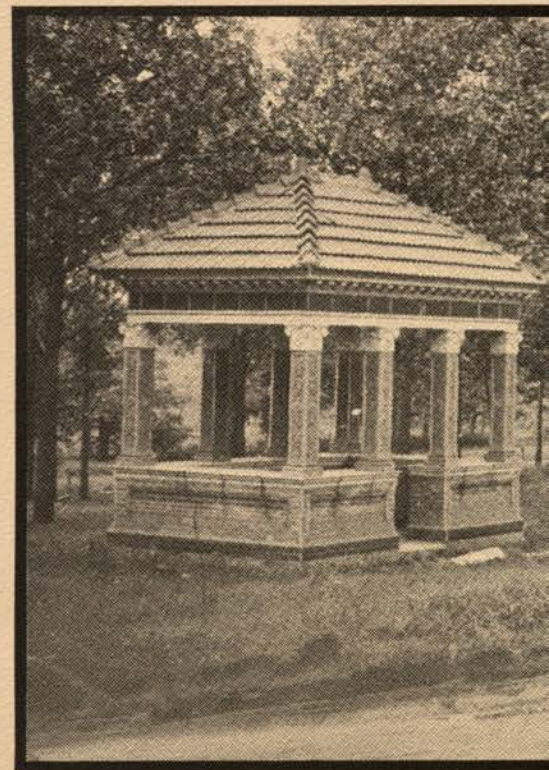
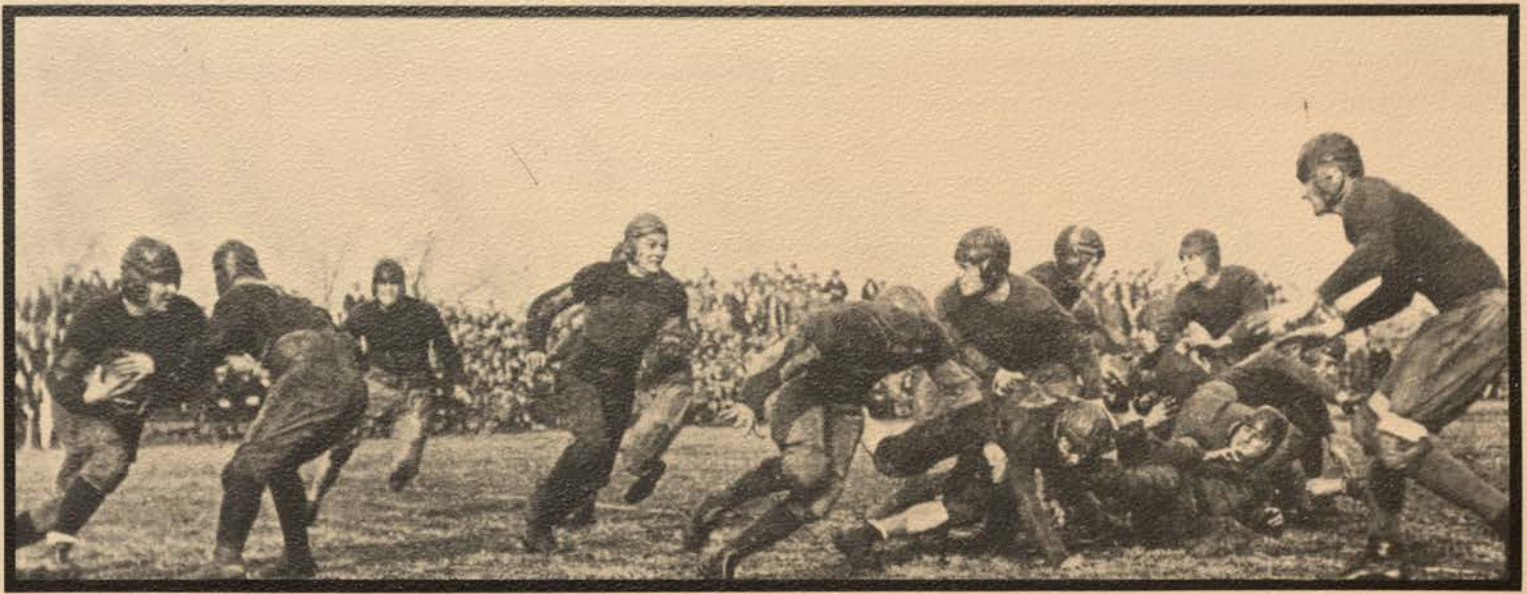


the body renders humbly,  
minds lost beings  
are forever present . . .



**! H A R K !**  
**YEE HELL-BENT SOPHS**  
**YOU**  
 Pigen-legged, Cocheyed, Yellow-backed, Flat-headed, Underslung, Triple-eared, Petrified  
**JACKASSES**  
 Will be forced to engage in a tremendous and mortal conflict with undaunted, undefeated and unconquerable  
**CLASS OF '24**  
 on the 6th day of September, in the year of Prohibition 2 at 9:00 o'clock in the morning, on the Renowned Battle Grounds of the MO. SKULE OF MINES.  
 BE IT FURTHER KNOWN:  
 That we intend to travel the  
 HIGHWAYS, BYWAYS AND ALLEYS OF ROLLIE  
 at ANY and ALL Times That WE DAMN PLEASE  
 YOURS TILL THE SMOKE BLOWS OUT OF HELL  
**THE FROSH**

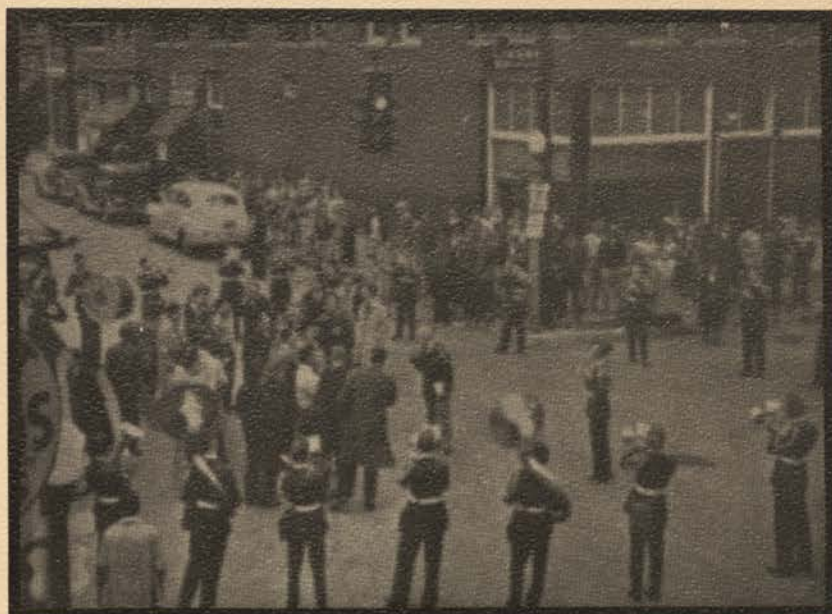
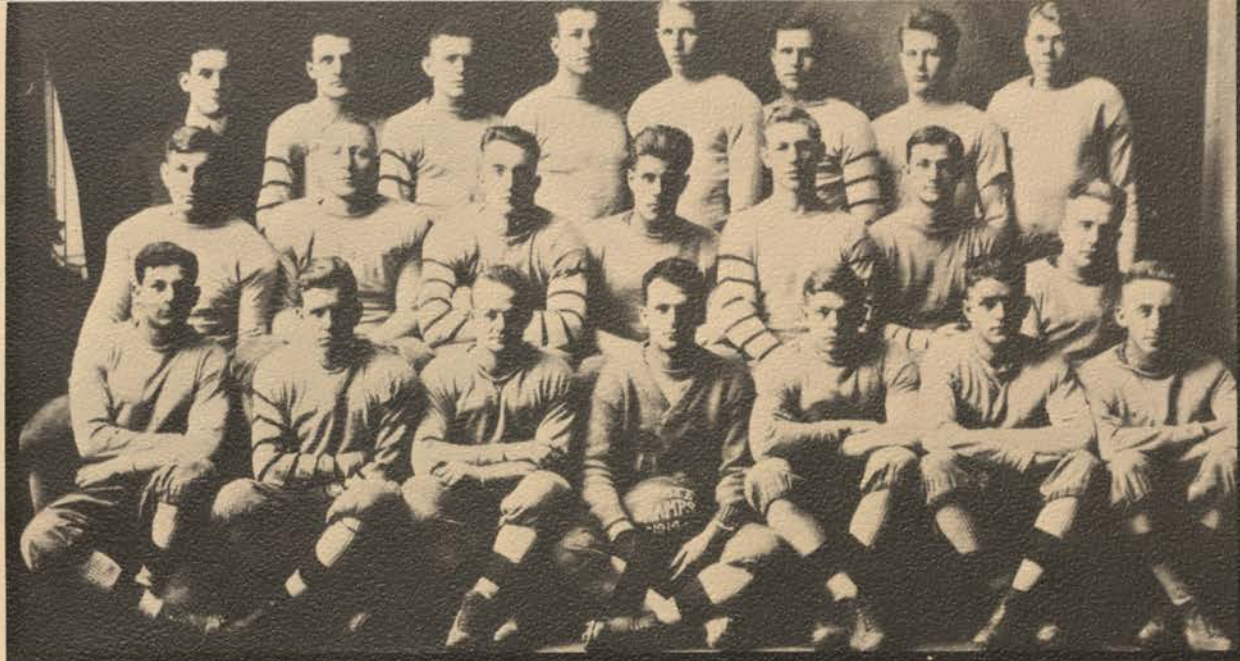












imagine the wonderment  
gone by . . .

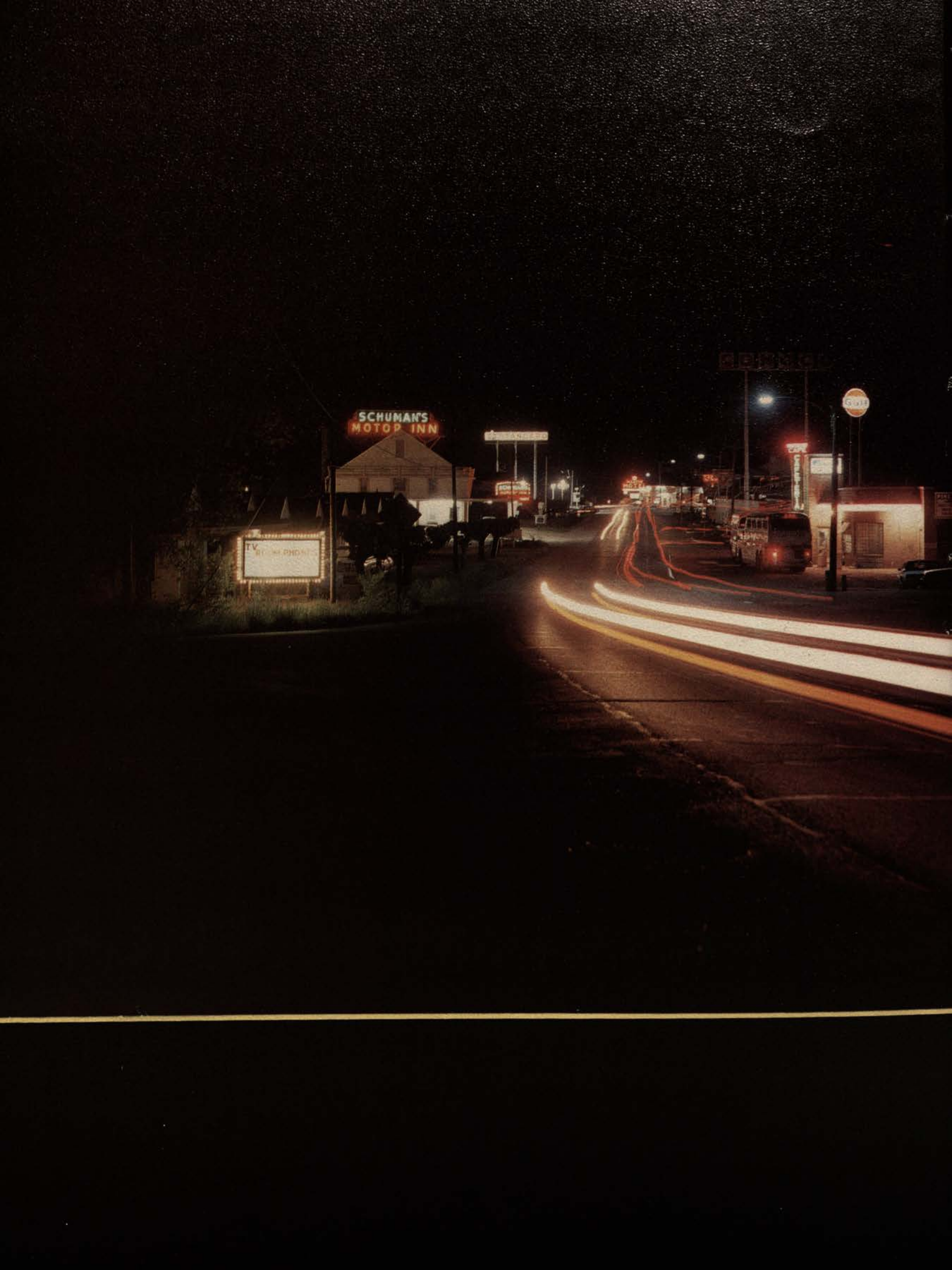
imagine time ..

The collage features several prominent posters:

- "THE MISSOURI MINER"**: A large poster at the top left announcing it is "NOW ON SALE".
- GUESS WHAT'S NEXT**: A large, bold sign in the middle left.
- A MOVING PICTURE SHOW PARKER HALL**: A poster at the bottom left mentioning "Friday Evening, January 24th, 1913" and "And Every Friday Evening Thereafter."
- HOLLAMO SQUARE DANCE**: A poster for Saturday, Nov. 30, 1912, at Mechanical Hall, featuring a dancing couple illustration.
- HOLLAMO INFORMAL**: A small poster at the top right.
- OPENING DANCE!**: A poster for Thursday, Sept. 12, 1912, at Mechanical Hall.
- HOLLAMO PICTURE SHOW TO-NIGHT PARKER HALL**: A central poster for a picture show.
- We Need Jokes! There are only two in the office - Knick and**: A handwritten-style note at the bottom center.
- NO CREDIT**: A large, bold sign at the bottom right.

Other smaller notices include "The Rollamo Board" and "HOP". The background consists of horizontal wooden planks.







# The University -Our 100th Year

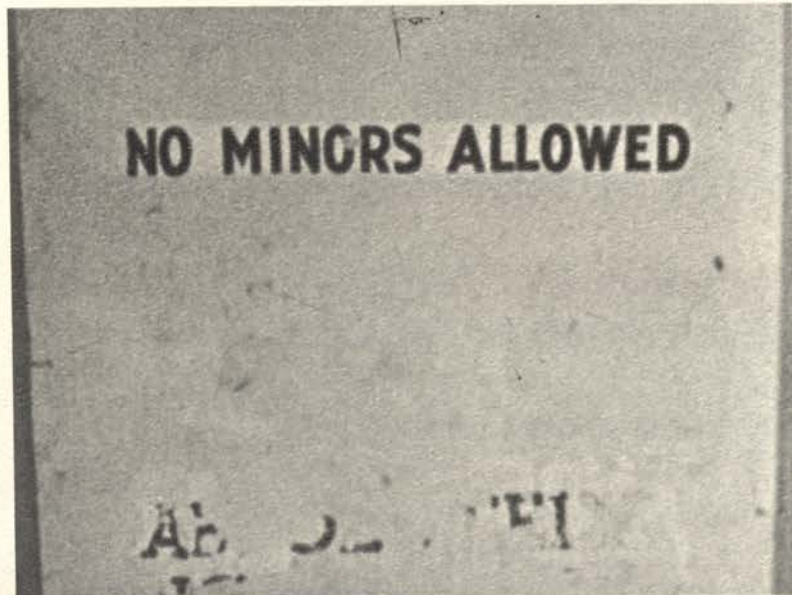




We have inhabited Rolla  
for 100 years.



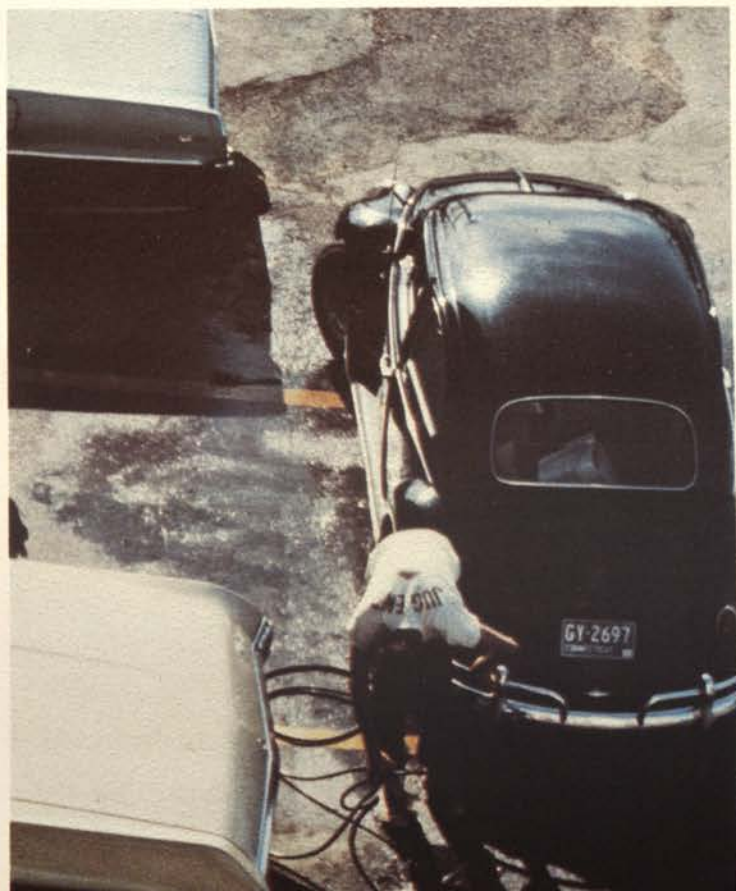








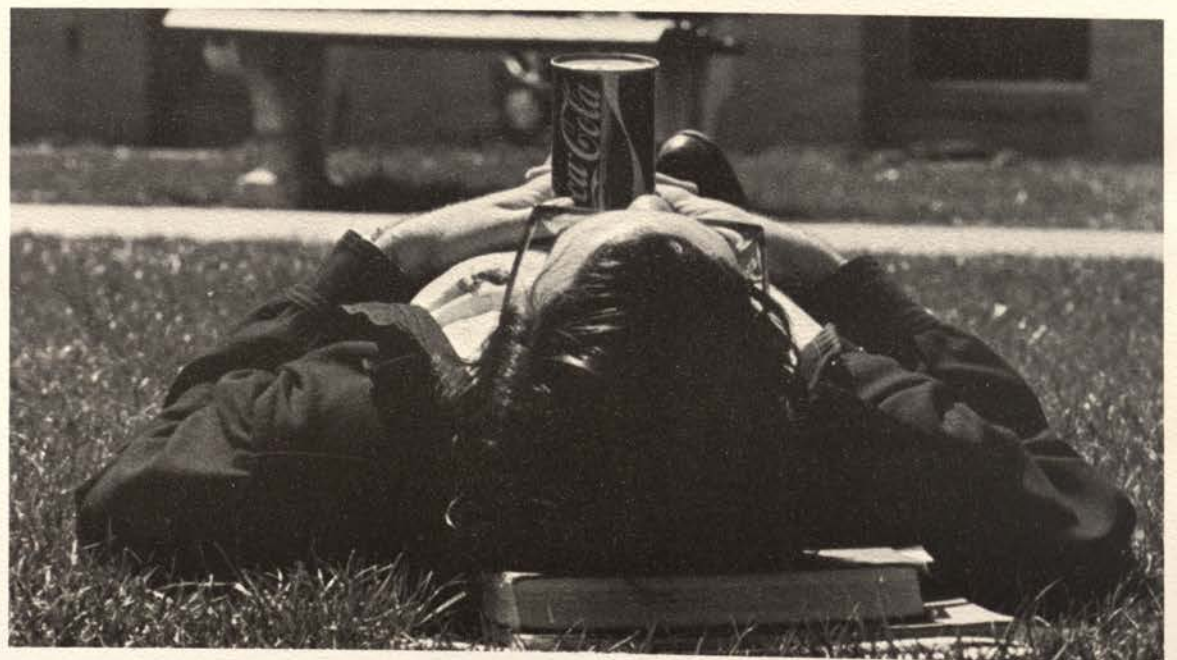
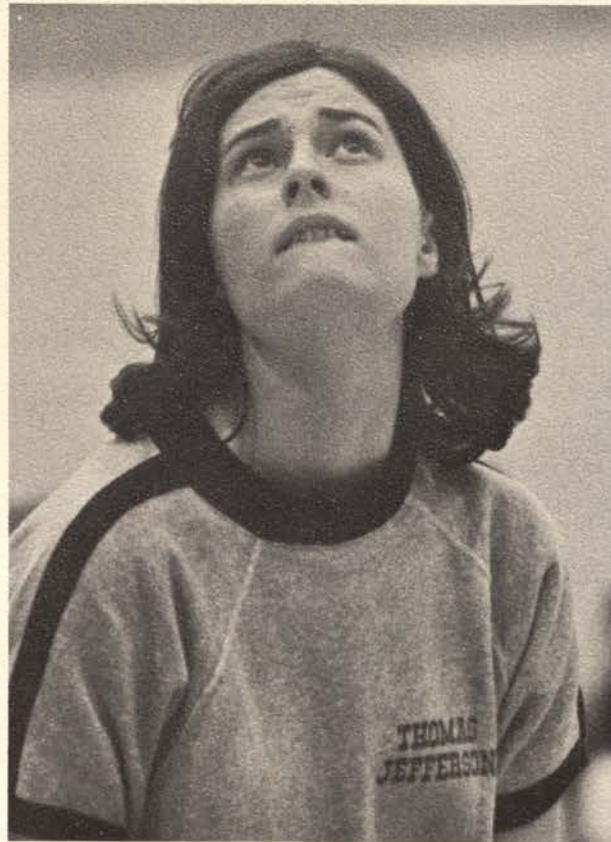




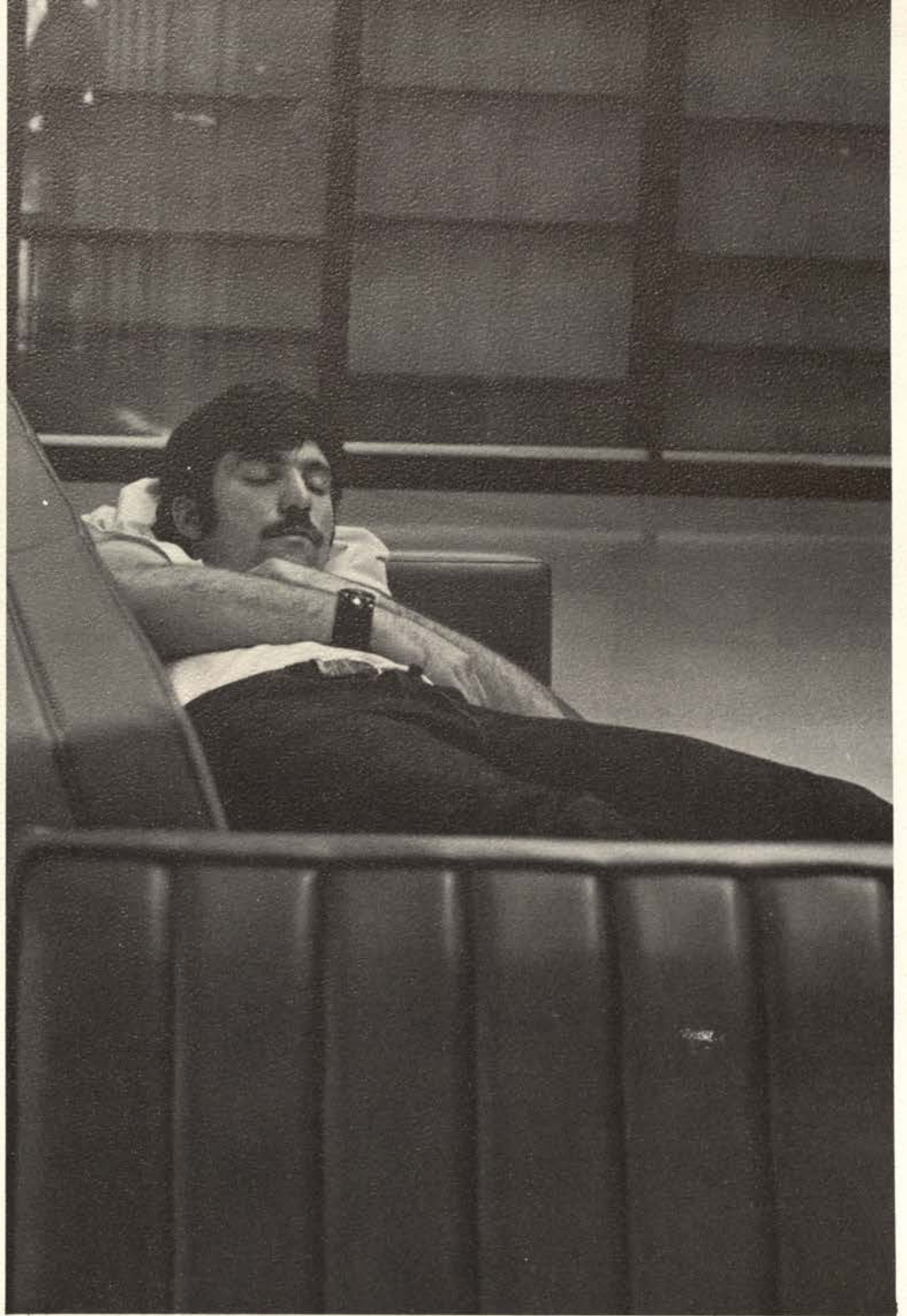
Have we changed?



We have sat by—  
eagerly waiting  
to produce change







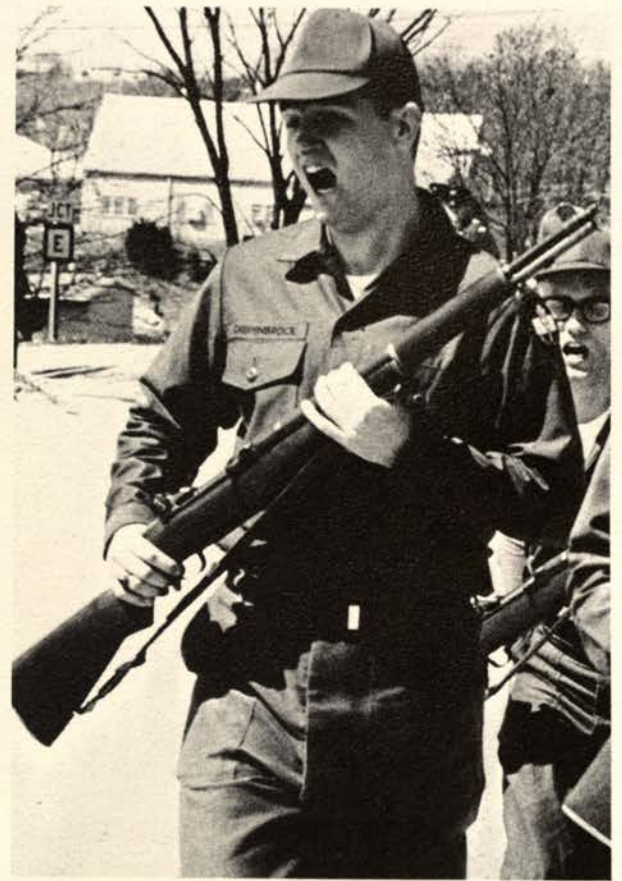
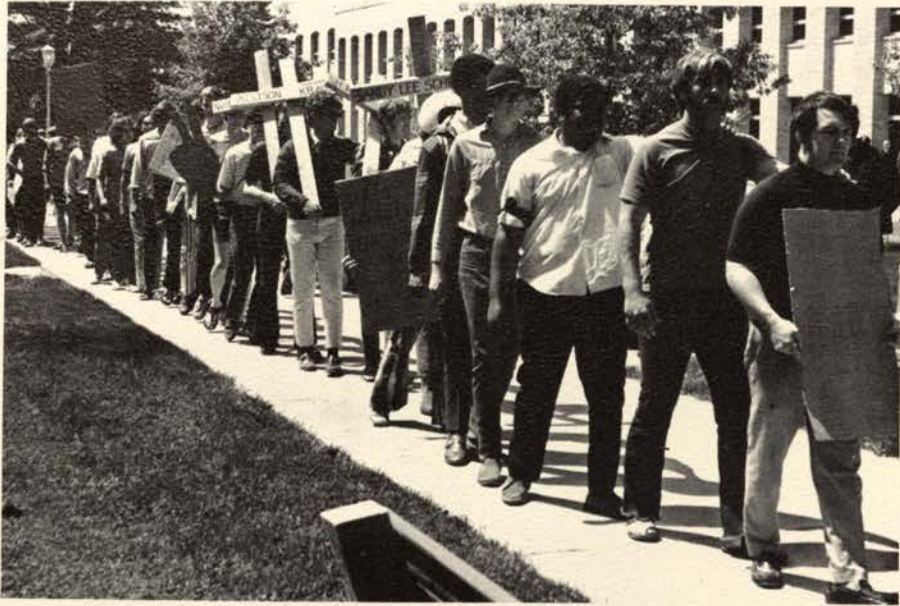




We have watched  
from our shelter . . .







We have had  
the chance to mature  
and learn a little  
about the world.





And we are occupied by  
dreams of beauty and . . .









Reality is  
one step further . . . . .  
Have we the strength  
and courage  
to take that step?



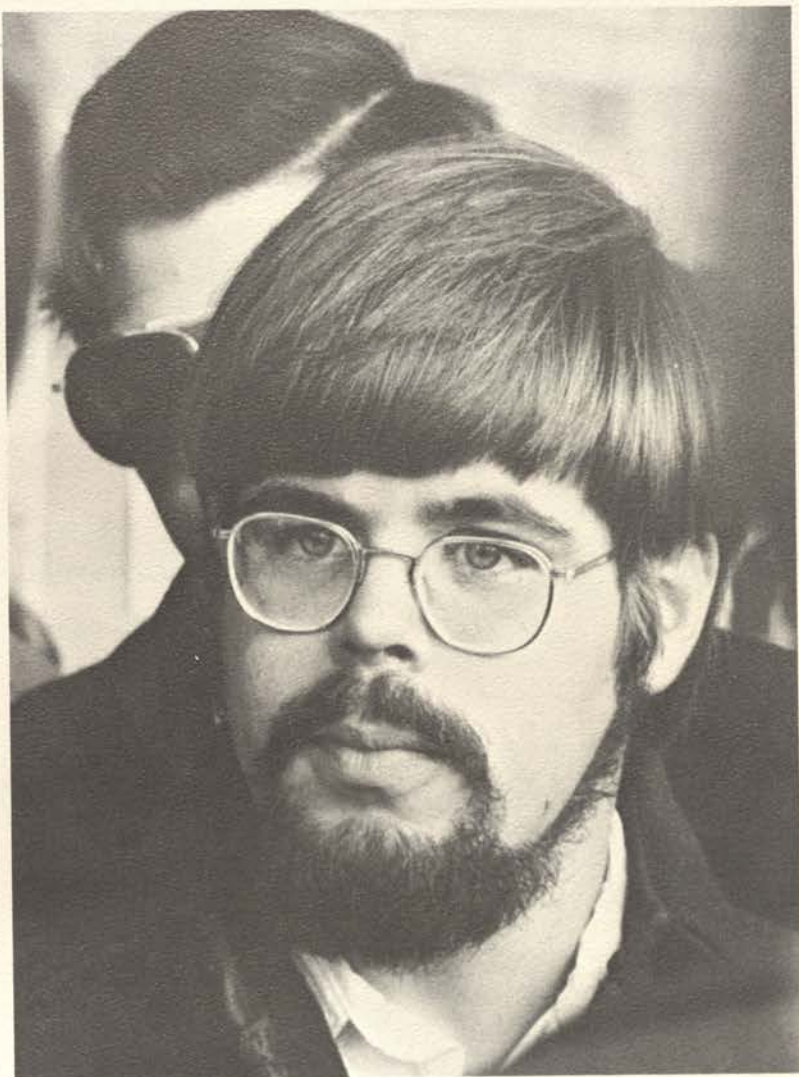




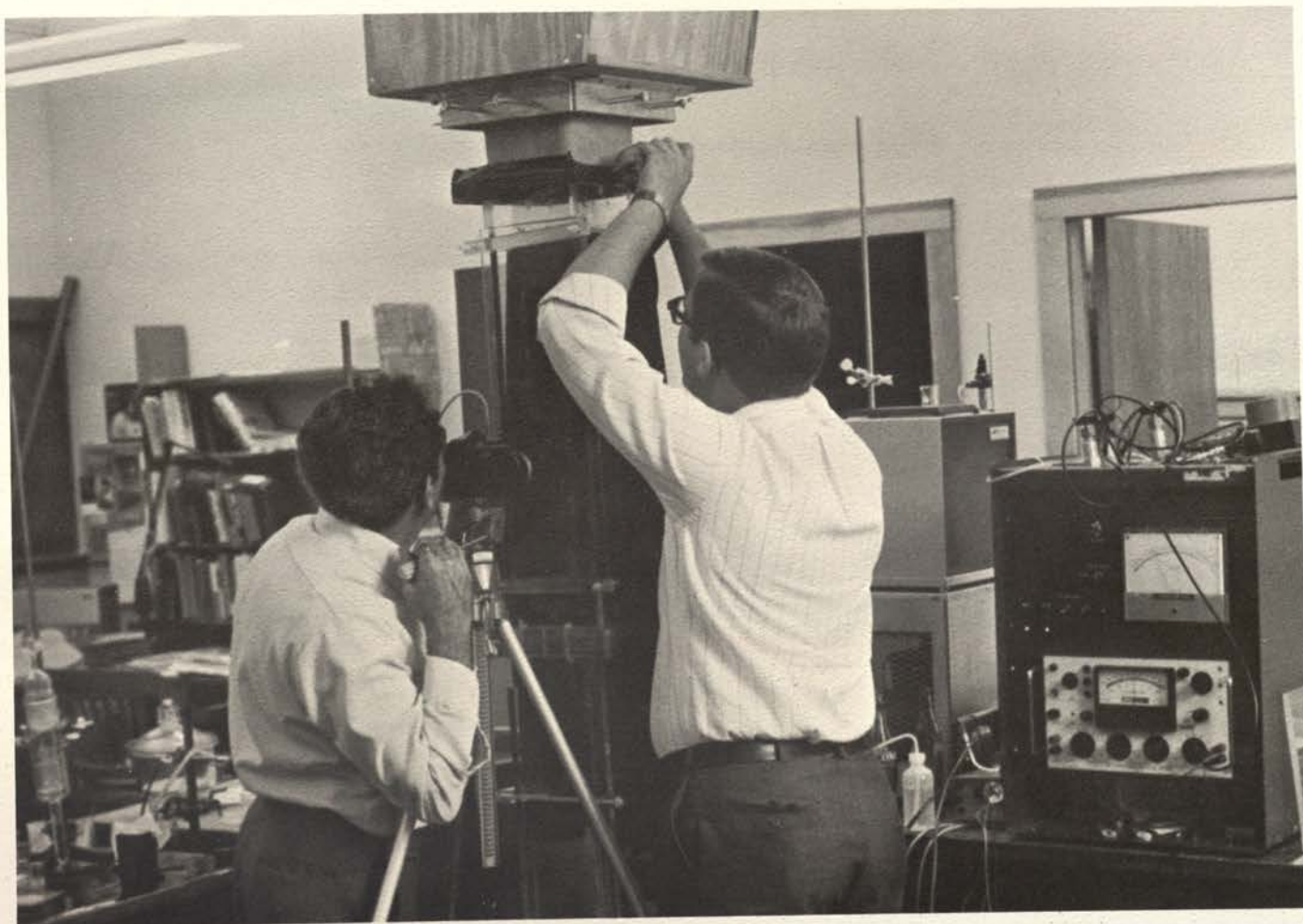




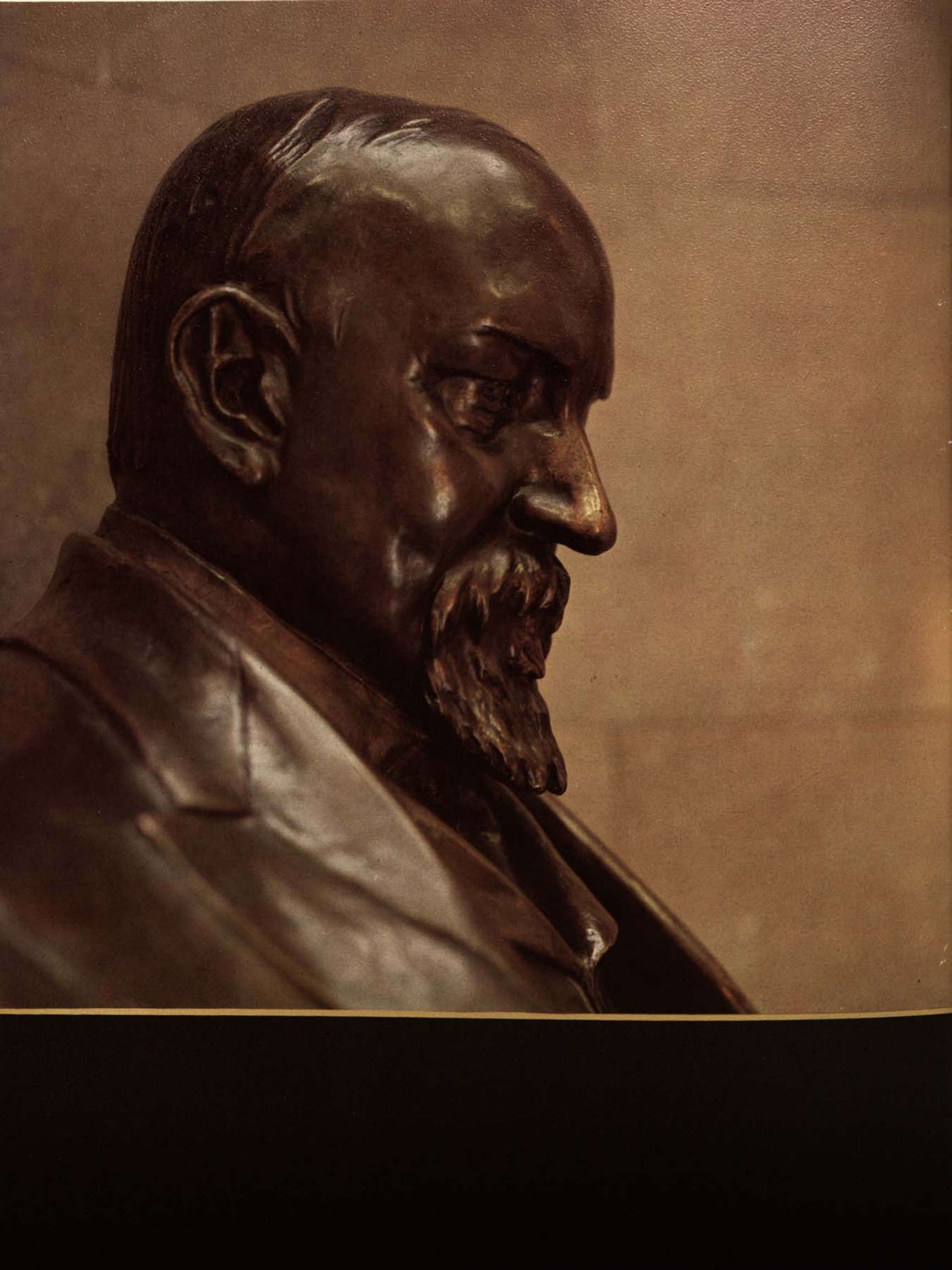




Yes!  
We have the potential  
to face truth.









# Faculty and Administration

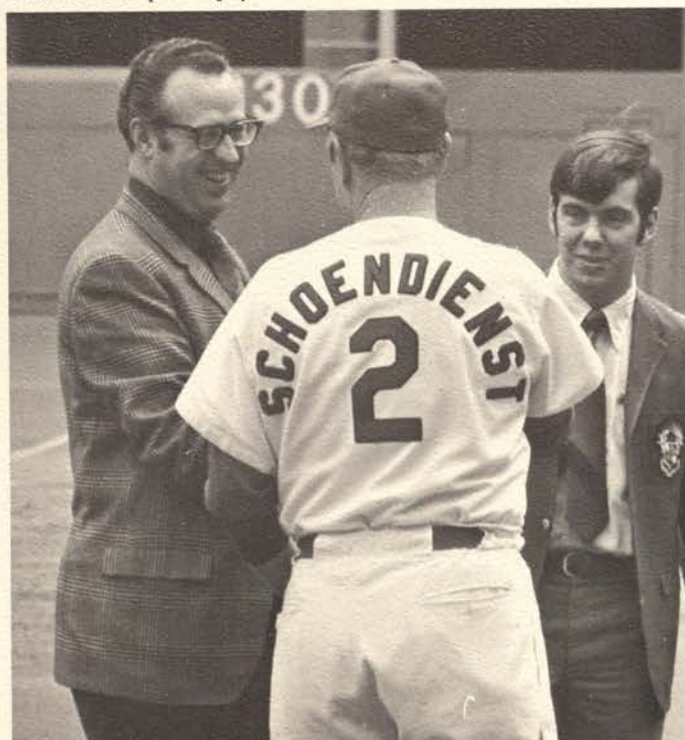




## Chancellor Baker works to expand UMR



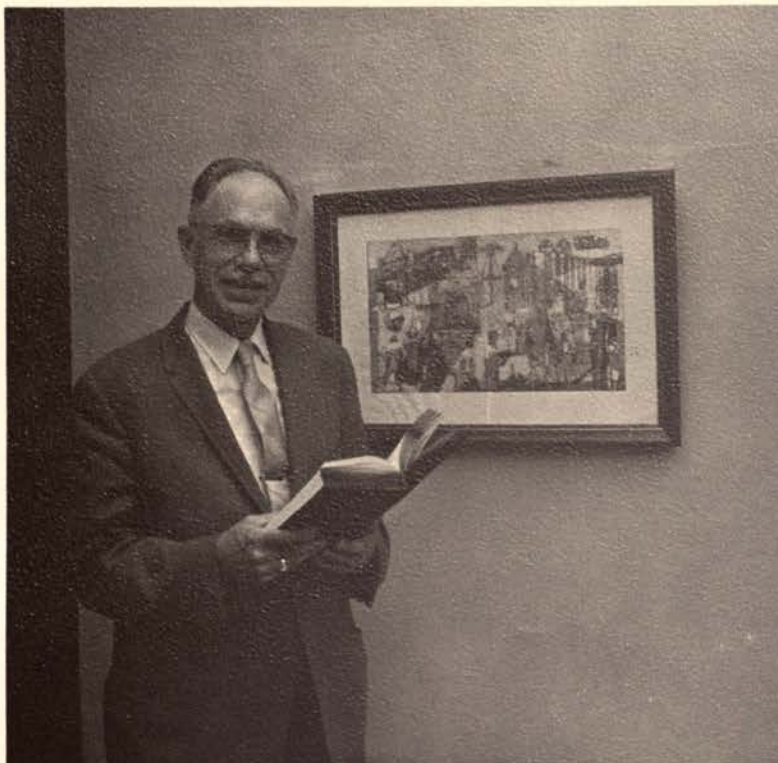
Since his arrival on the University of Missouri-Rolla campus in the fall of 1963, Chancellor Merl Baker has initiated many dynamic changes. On the campus many new buildings have been completed, the most recent of which were the Multi-Purpose Building and the Mechanical Engineering Annex, which were formally dedicated this year. Construction is under way on the Humanities and Social Sciences Building, and plans are being made for the construction of a new Mathematics Building. In addition, Dr. Baker has worked closely with the Centennial Challenge Program and has participated in the Centennial Events agenda. In the field of studies, a Division of Liberal Arts was established in the past year. In the field of student relations, the Chancellor met frequently with student leaders to discuss current problems. Dr. Baker has made tremendous strides toward improving the University of Missouri-Rolla, and is constantly working to build and expand the fine reputation that the campus enjoys.











Dr. J. Stuart Johnson  
Dean of the School of Engineering

Dr. Paul D. Proctor  
Dean of the School of Science



## Major reorganization for Liberal Arts

The University of Missouri-Rolla, is split up into four schools: the Engineering, Science, Mines and Metallurgy, and Graduate schools. This division enables UMR to handle effectively the expected increase in enrollment.

Each of the four schools has a number of departments contained within it. The three largest departments on campus, Civil, Electrical, and Mechanical and Aerospace Engineering, are contained in the School of Engineering. Also included in this school are the departments of Chemical Engineering, Engineering Management, and Engineering Mechanics. The School of Science embodies the departments of Chemistry, Geology, Mathematics, Computer Science, and Physics. The departments of Ceramic, Geological, Metallurgical and Nuclear Engineering, and Mining and Petroleum Engineering are constituents of the School of Mines and Metallurgy. The Graduate School encompasses all departments and sets policies and standards for all graduate work undertaken at UMR.

For the fall of 1970 a major reorganization is planned for liberal arts. The present Division of Liberal Arts will be reorganized into a unit comparable to the existing four schools.

Dr. Theodore J. Planje  
Dean of the School of Mines and Metallurgy

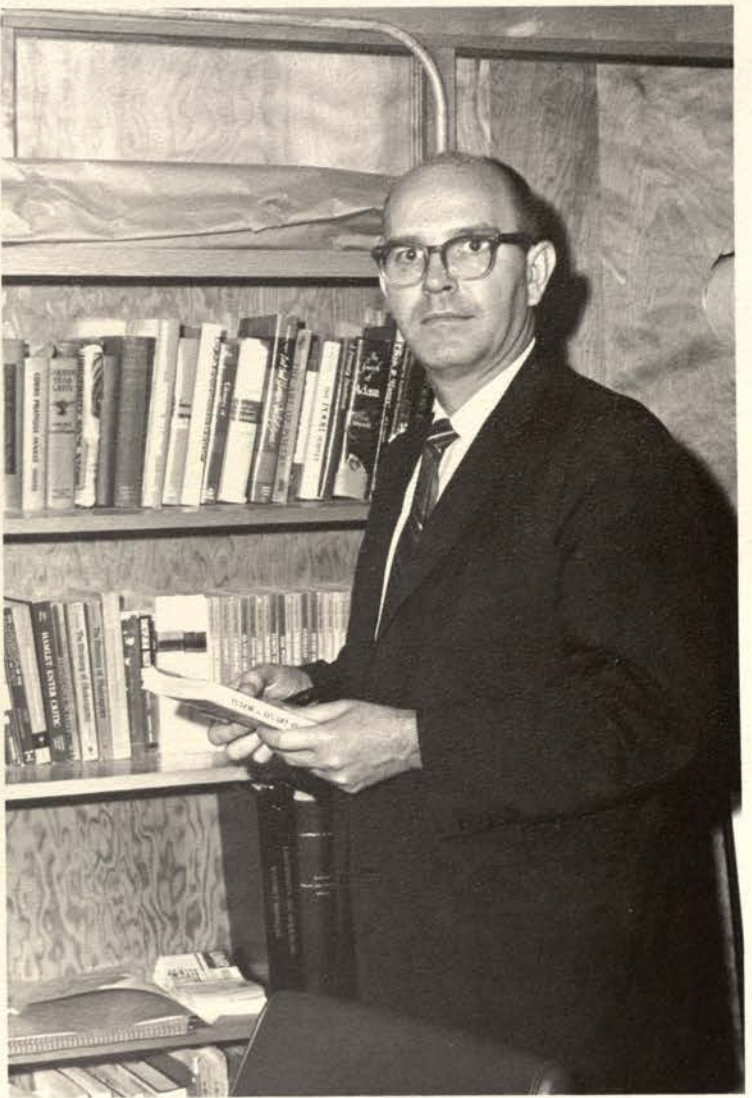






Dr. Robert H. McFarland  
Dean of the Graduate School

Dr. Bill L. Atchley  
Assistant to the Dean of Engineering



Dr. Jim C. Pogue  
Director of the Division of Liberal Arts

J. Kent Roberts  
Assistant to the Dean of Engineering





## Administrators assume a vital role at UMR



Dr. Dudley Thompson  
Dean of Faculties



Dr. G. Edwin Lorey  
Dean of Extension and  
Continuing Education



Dr. Lynn W. Martin  
Director of Counseling  
and Testing Center

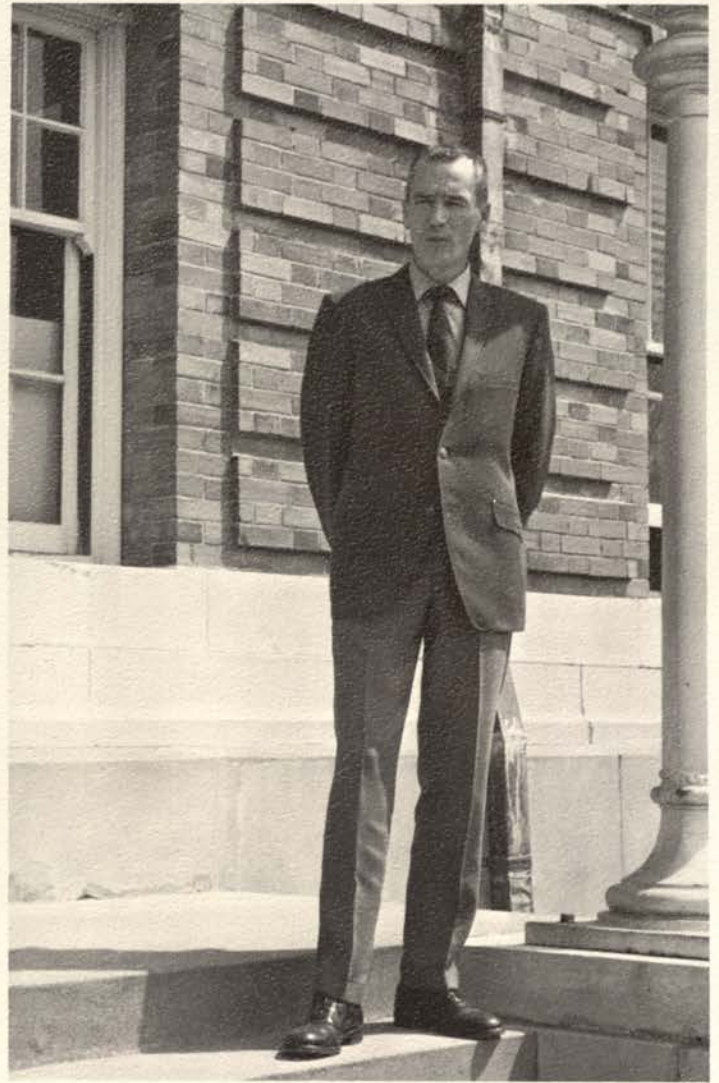


Paul Ponder  
Director of Student Services

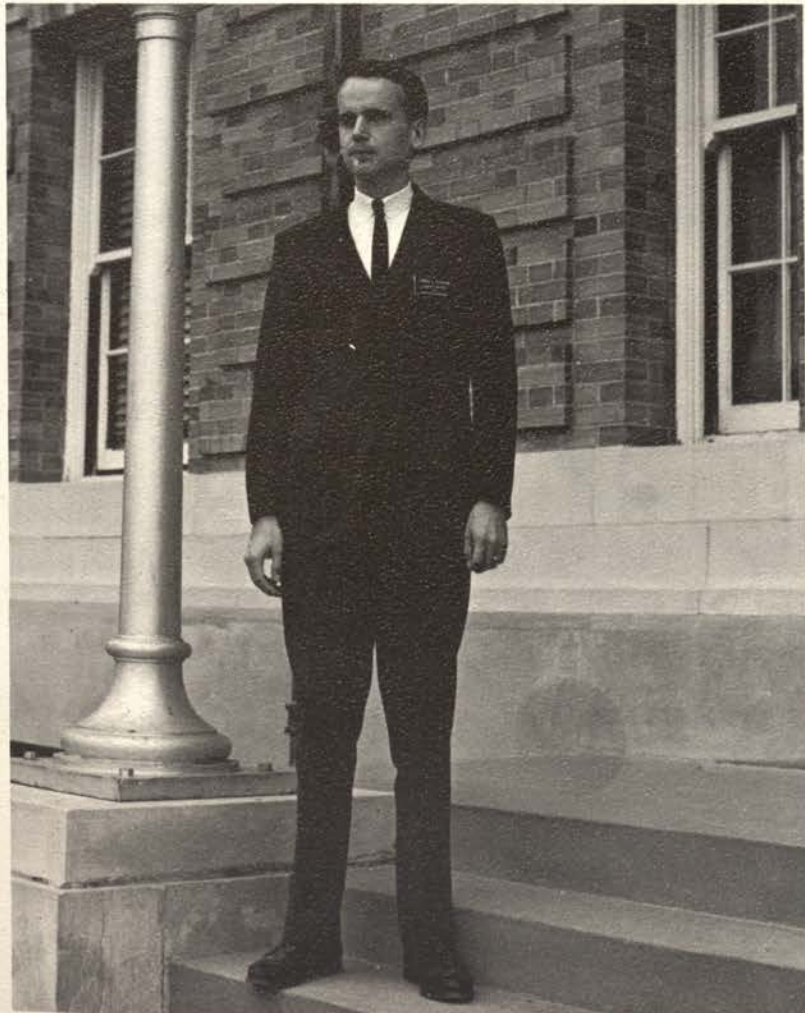




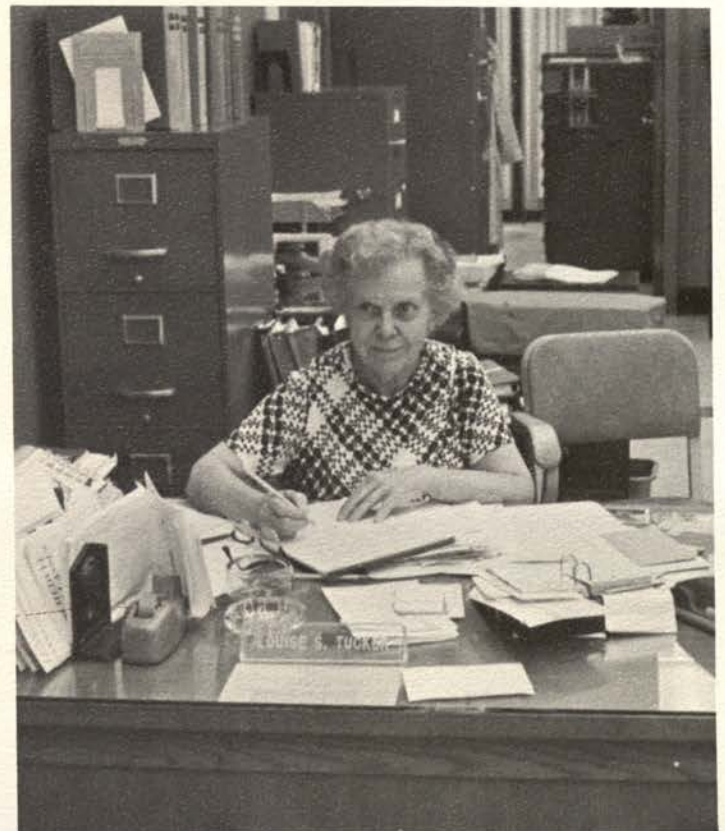
Raymond L. Pendergrass  
Director of Student Financial Aid



Ronald L. Johnston  
Assistant Director of Admissions



Lauren A. Peterson  
Associate and Acting Registrar

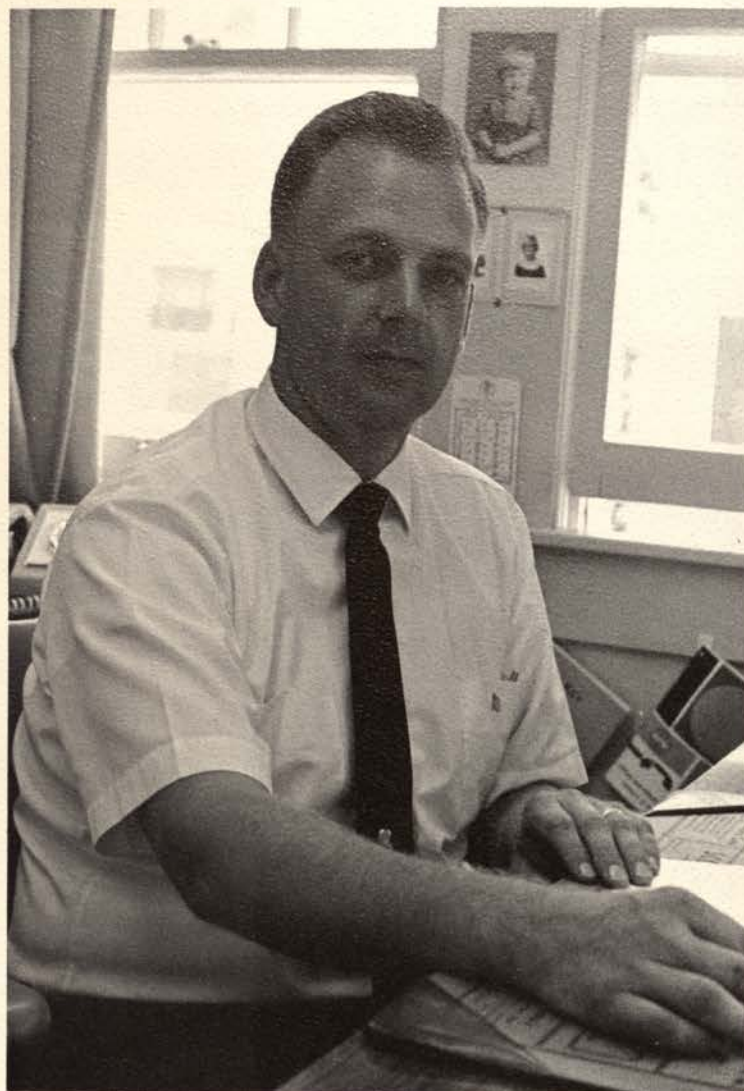


Louise S. Tucker  
Assistant to the Registrar



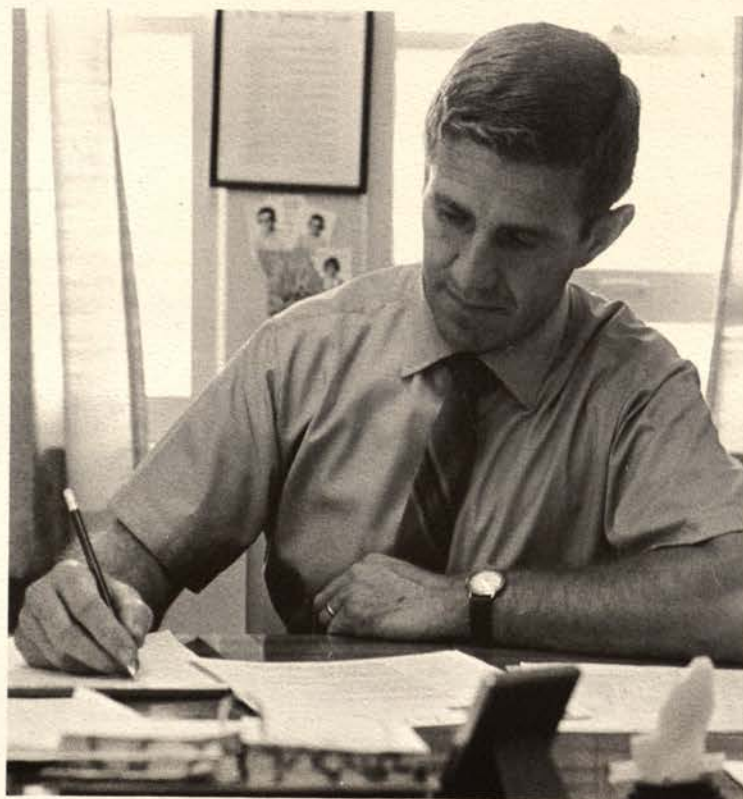


A. Sam Burton  
Director of Student Personnel

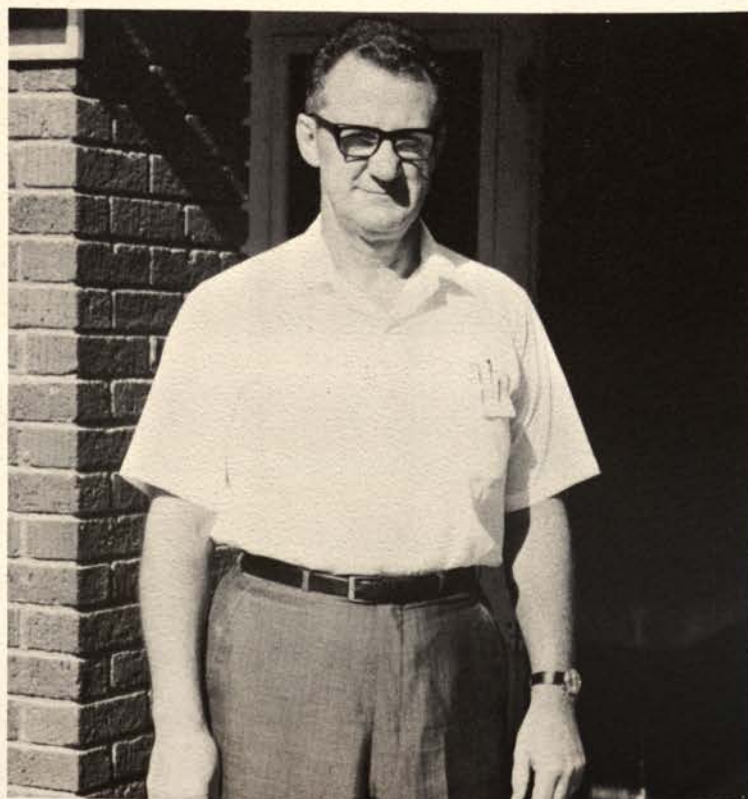


Joe A. Ward  
Assistant Director of Student Personnel

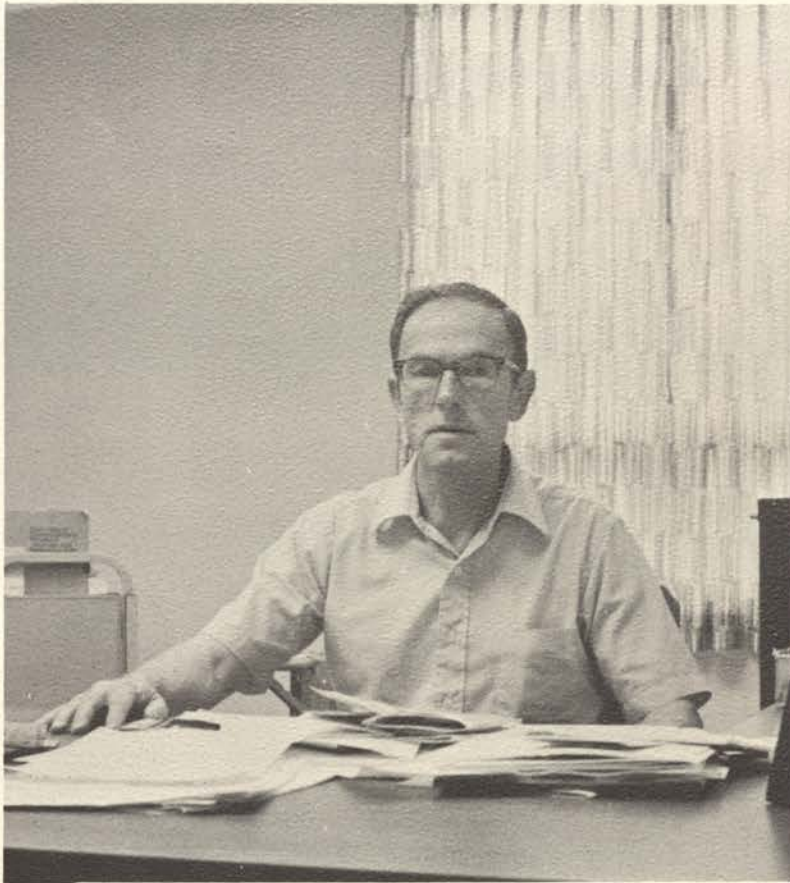
Louis D. Moss  
Assistant Director of Student Personnel



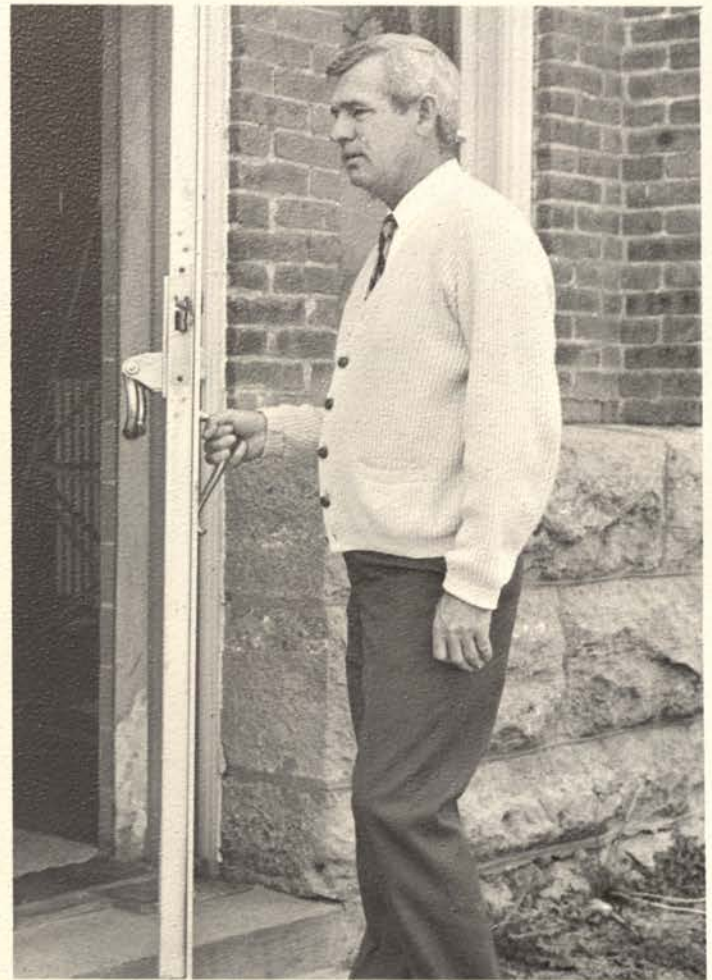
Dr. James M. Myers  
Director of Student Health Services



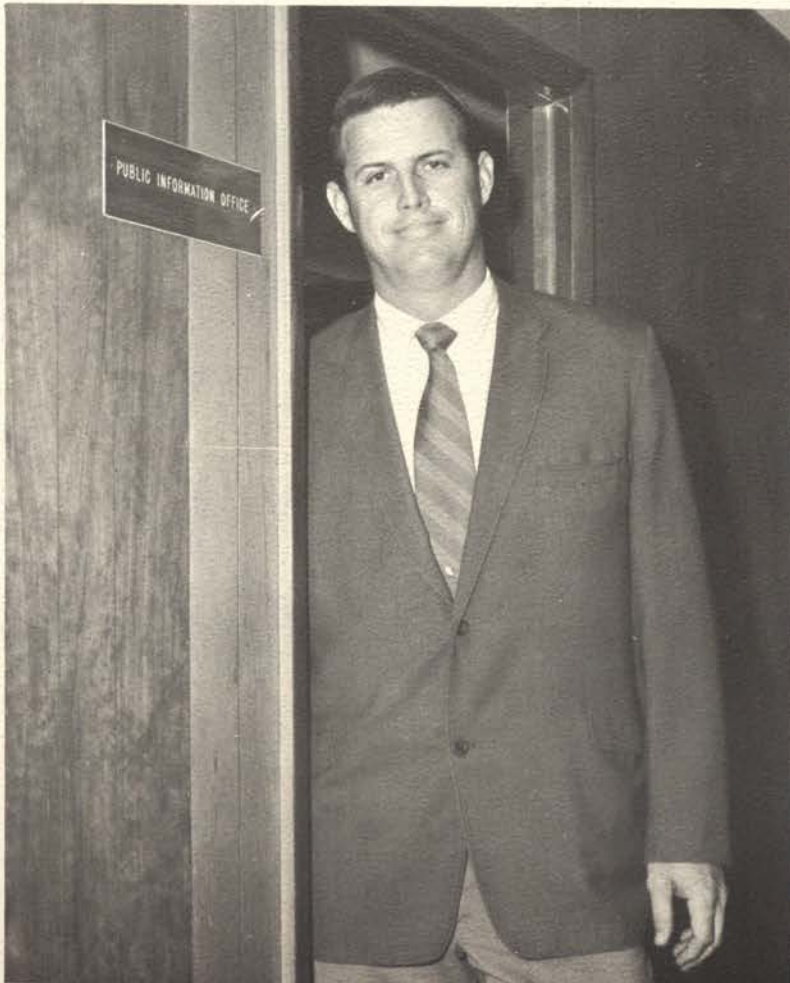




Earl J. Randolph  
Librarian



George E. Vaughn  
Director of Cooperative Program



W. Dudley Cress  
Director of Public Information

Loren R. Nuss  
Director of Placement  
and Industry Relations







Francis C. Edwards  
Executive Secretary of Alumni Association



Robert E. Sutton  
Director of Centennial Campaign

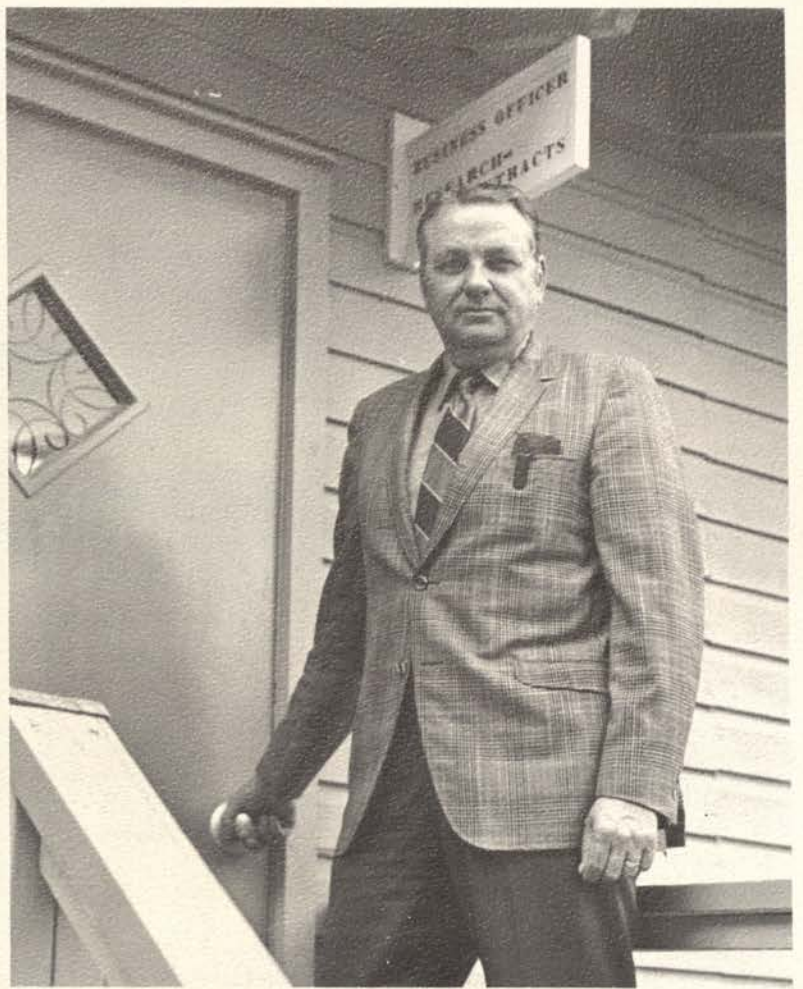
Dr. Aaron J. Miles  
Coordinator of the Centennial Campaign





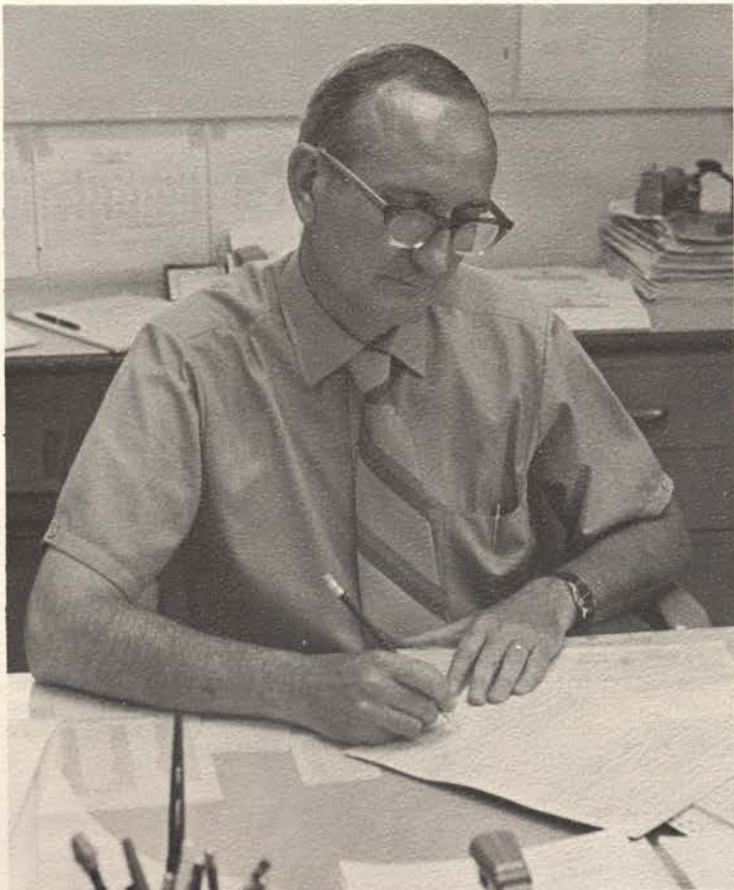


William T. Kratzer  
Director of Student Union



Joseph D. Wollard  
Business Officer

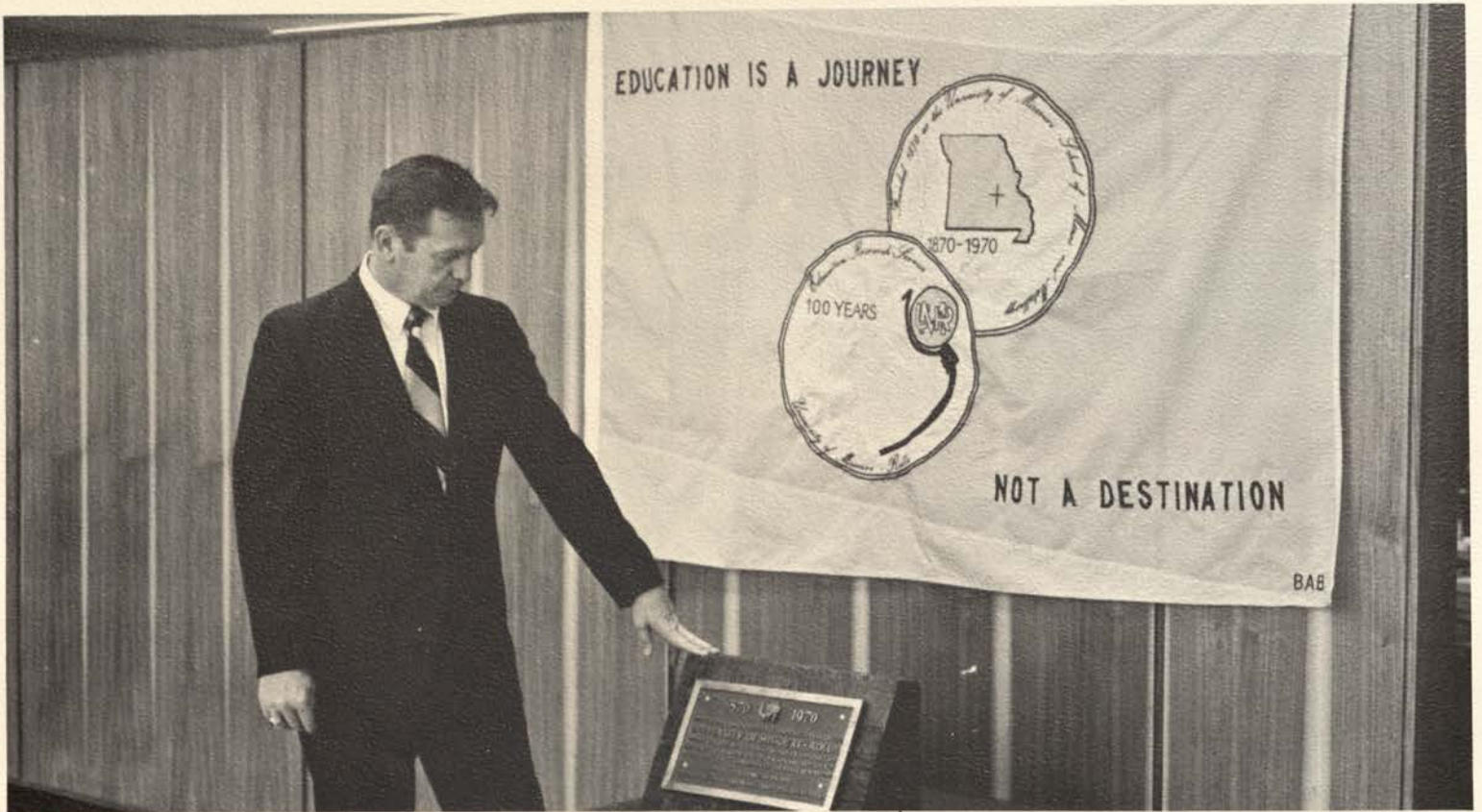
Carroll C. Paulsmeyer  
Assistant to the Business Officer



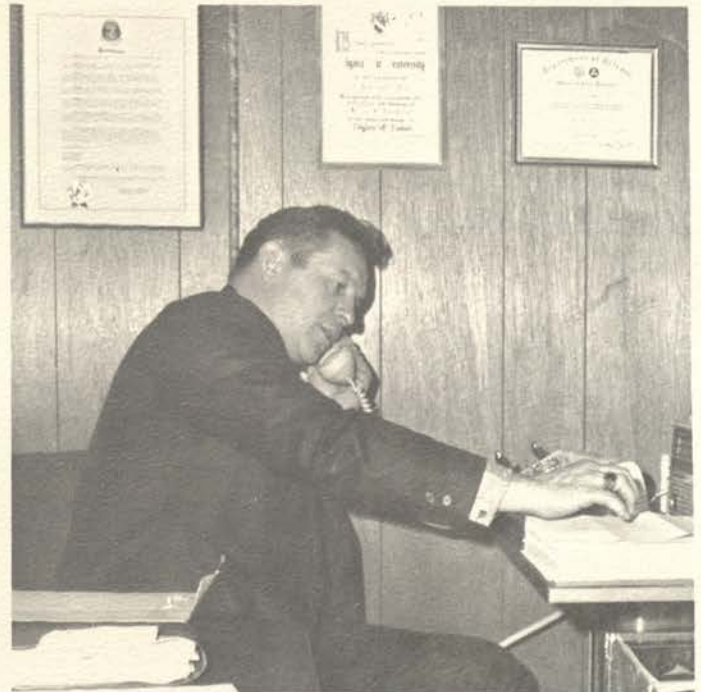
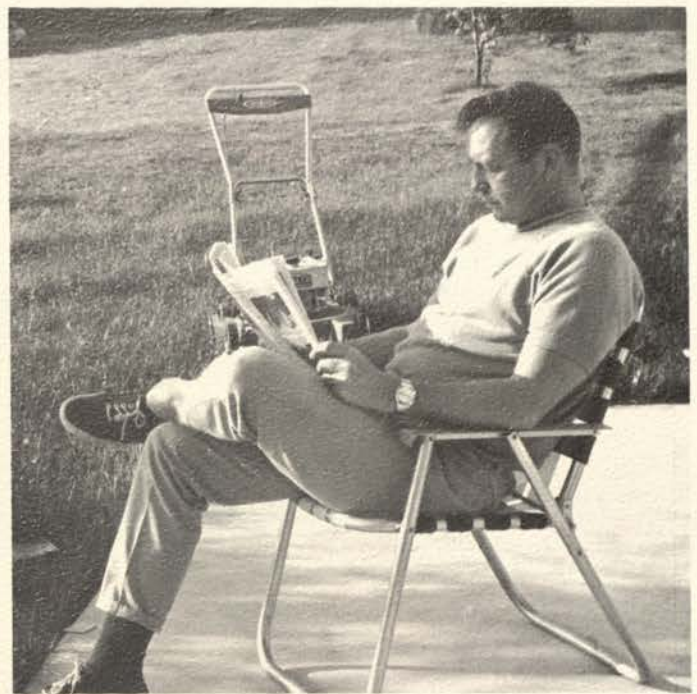
Gerald Hedgepath  
Housing Manager











It is a great opportunity to be able to be the Director of those events which will highlight our University during its Centennial year. The Centennial year, being the birthday of a University that has grown from a seed planted back in 1870 into a great tree of knowledge, is a time in which we should not only look to the past but should project to the future.

The objectives of the Centennial year are to plan and organize our Centennial events in such a way that we can reminisce our heritage, broaden our image, and set goals for the future.

Bill Atchley  
Professor of Engineering Mechanics



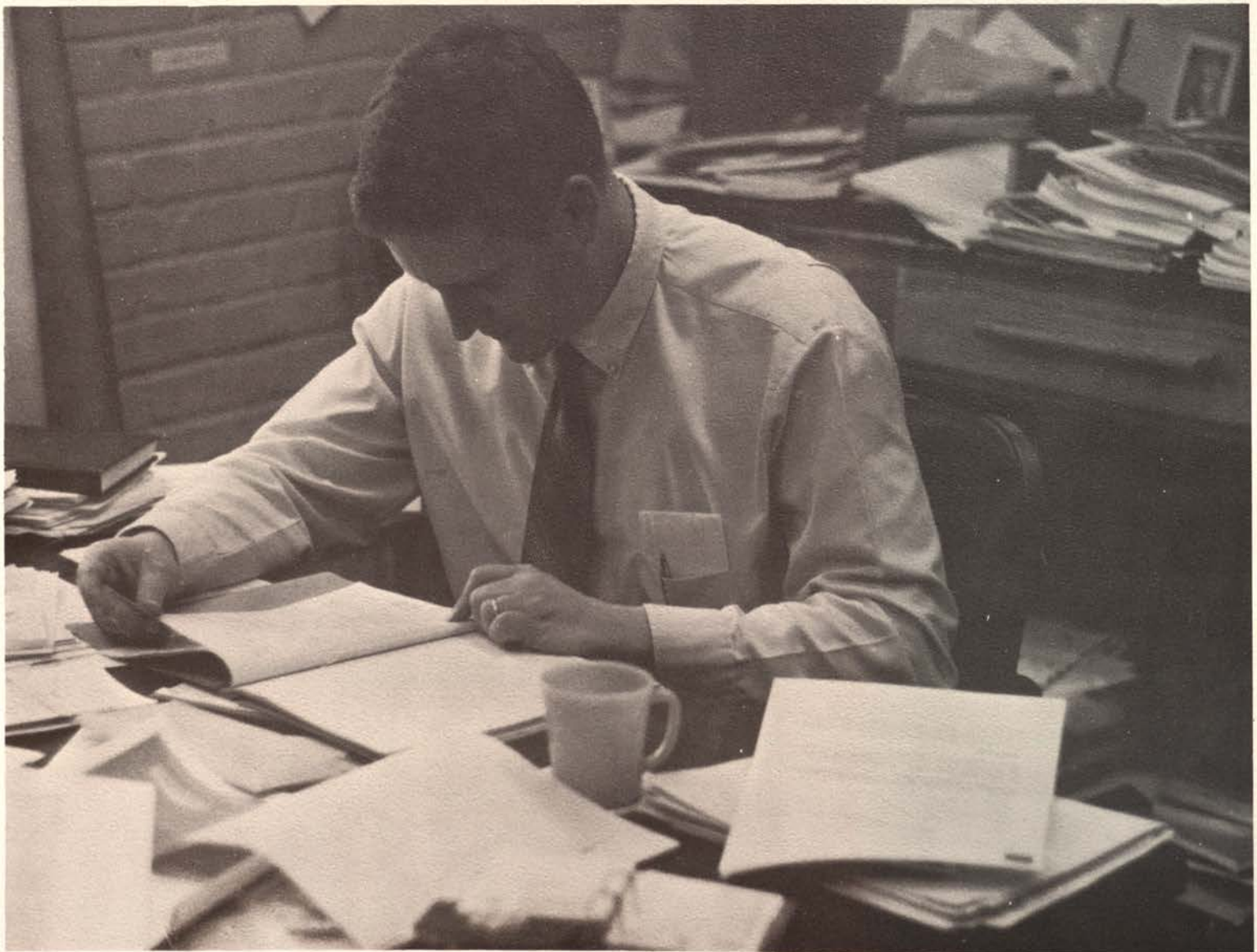
The Centennial year is an interesting time to be on the faculty of the University of Missouri-Rolla. It is a time to look back, to acknowledge the accomplishments, to observe the progress. But more importantly, it is a time to look forward, to make plans and help set goals for the future of the University.

I have found it challenging to be involved in the development of courses, the curriculum, and the long-range plans of a relatively new field such as nuclear engineering.

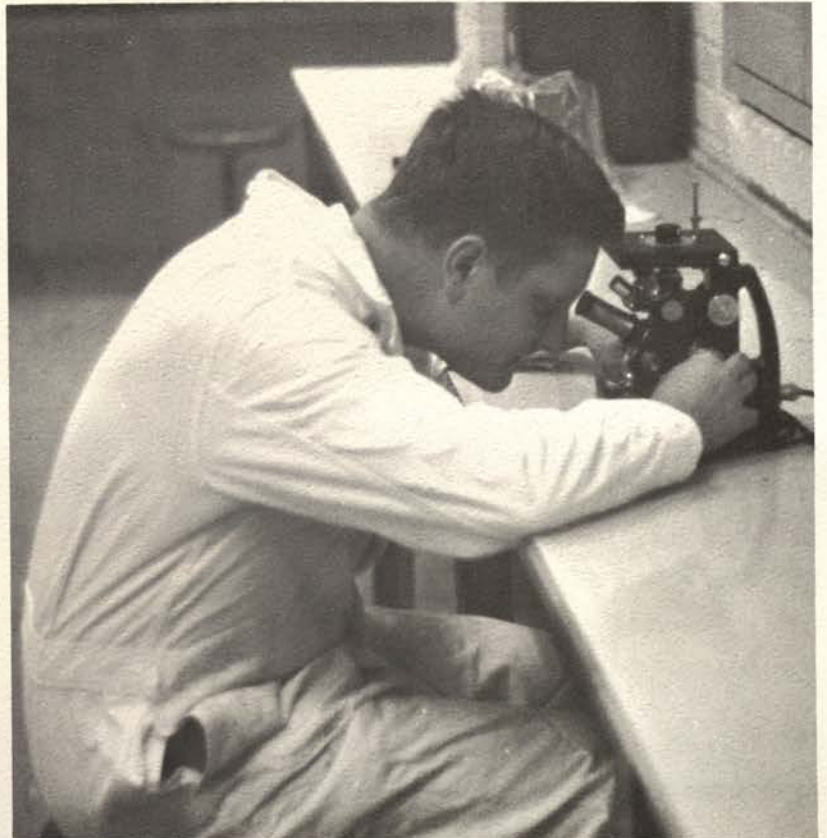
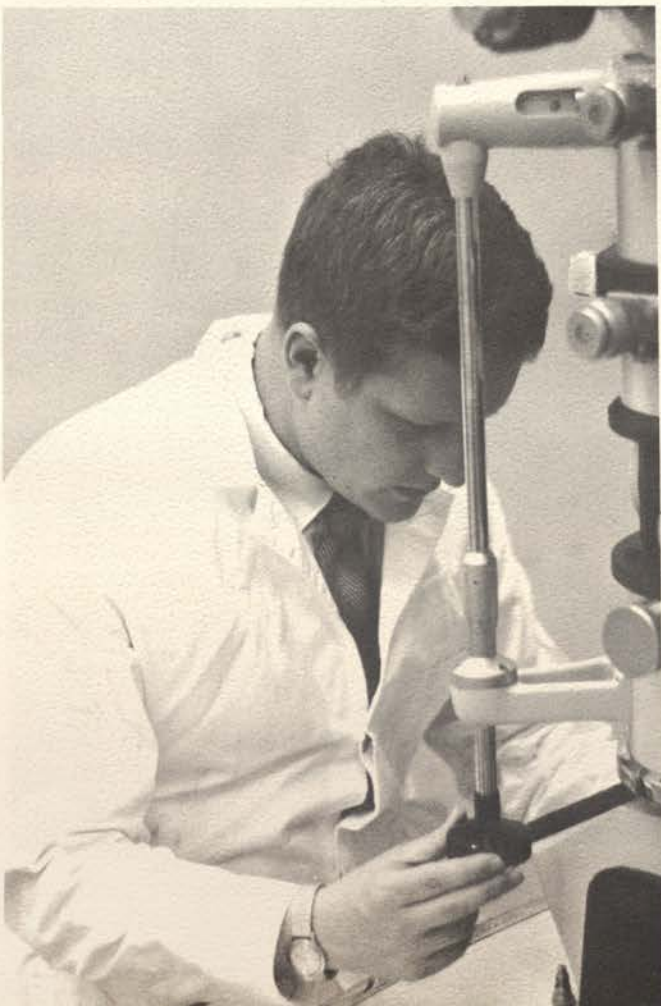
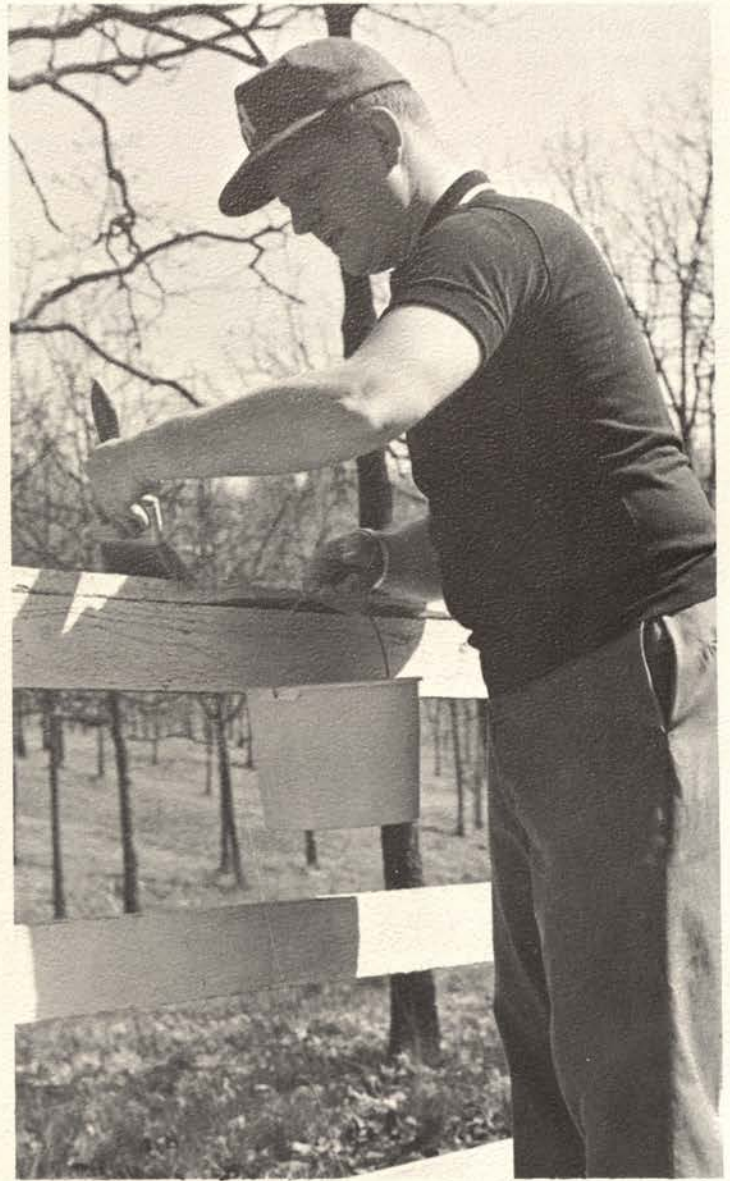
At a time when so many people express concern about what is wrong with the institutions and establishments of our society, I feel that we should be giving more attention and recognition to those things that are good and right. Take our campus of the University as an example. I think we have an outstanding group of students, young men and women who are serious about their education and more concerned about their future roles in society than ever before. We have a commendable faculty with more and broader experience than in the past. We have a notable administration, which is vitally concerned with leading the University in the proper direction to be of the most service to the state. We have adequate and expanding facilities.

All of these assets combined will help UMR enter into its second century as an institution of higher learning which is second to none. I am proud to have been a little part of it.

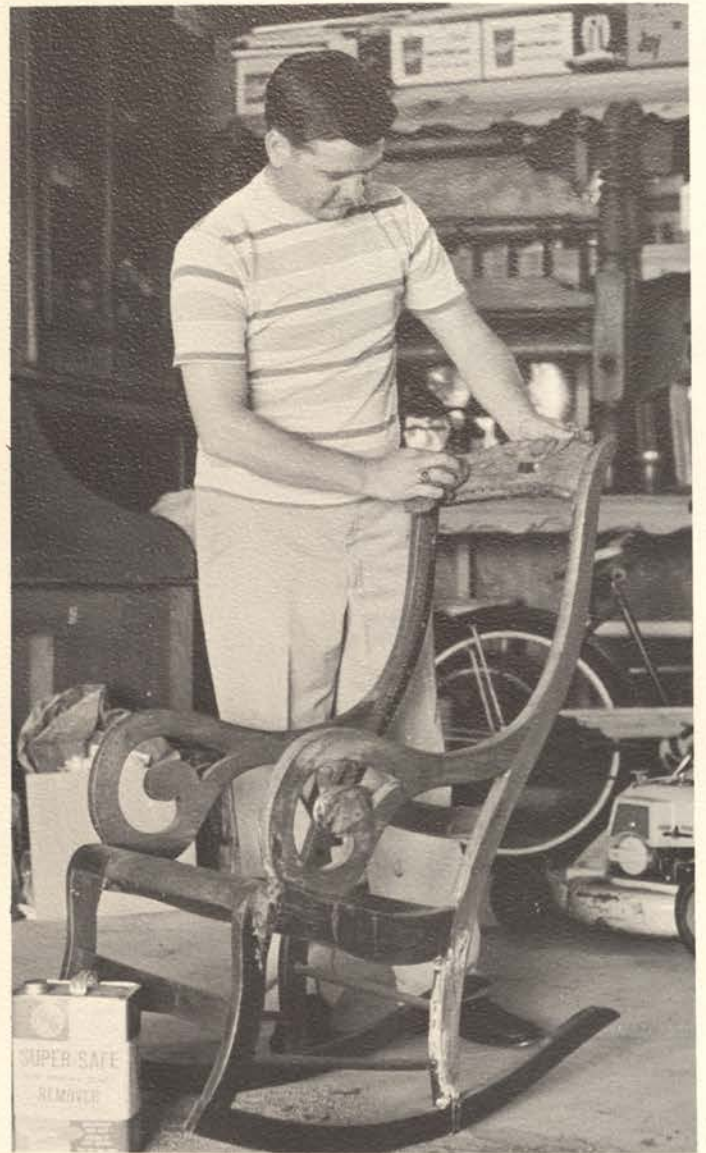
Albert Bolon  
Assistant Professor of  
Metallurgical and Nuclear Engineering











For one hundred years the University of Missouri-Rolla has strived to meet the technological needs of our society. Its staff members, alumni, and students have played important roles in many of the major scientific and technological developments throughout this time.

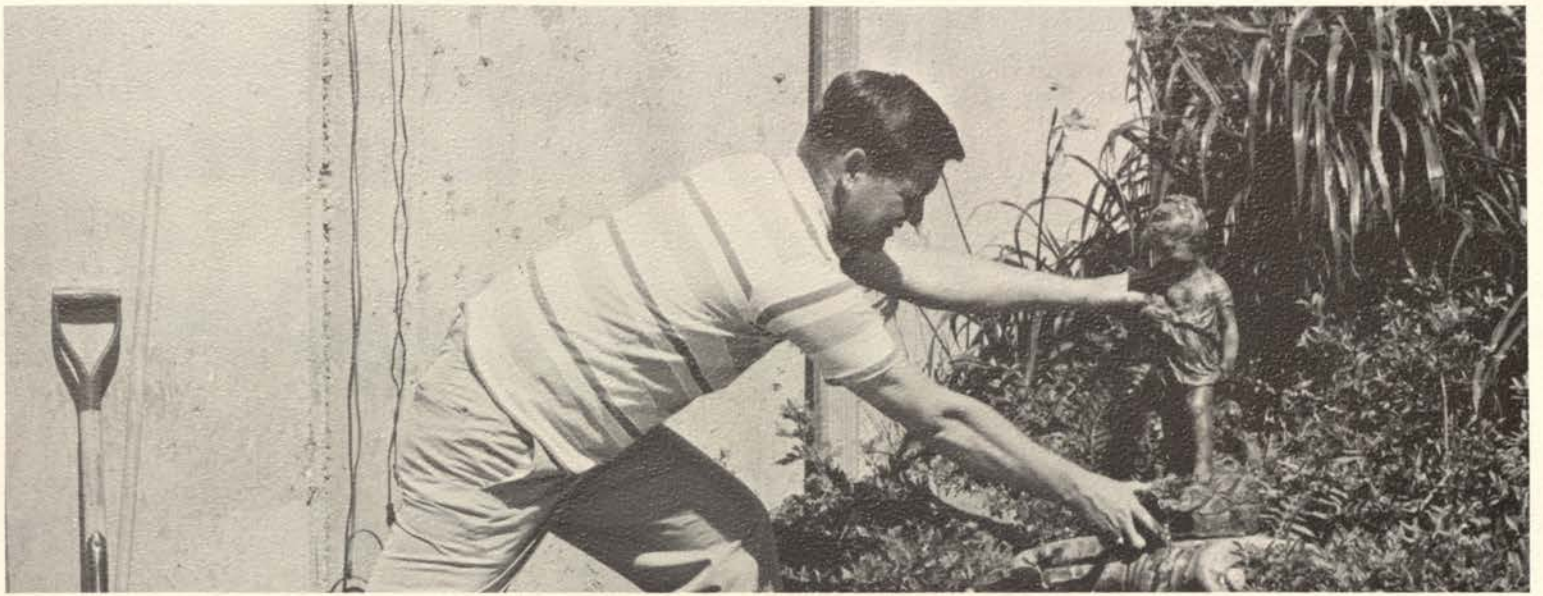
As the needs and demands of society change in the next one hundred years, so will the character of UMR. The dominant feature of UMR will always be one of the highest quality engineering and scientific educations available anywhere. The development of stronger background areas such as social studies and humanities is indicative of the University's response to social needs and change.

Student activities in the last one hundred years have been predominantly of a professional nature. Recently, student interest has been responsible for students being given an active role on many university faculty committees. Students have given voice to concerns on national issues, and student political groups have been recognized by the University.

The next one hundred years will be challenging years for UMR. The student body at UMR is among the finest in the nation. Their actions on current issues are the result of thought and planning, not emotionalism created by incidents on other campuses. The challenge to the student body in the next one hundred years is one of maintaining involvement in University, State, and national affairs, in the same constructive manner as the proud alumni of UMR have done during the first one hundred years of its existence.

Sam Burton  
Director of Student Personnel











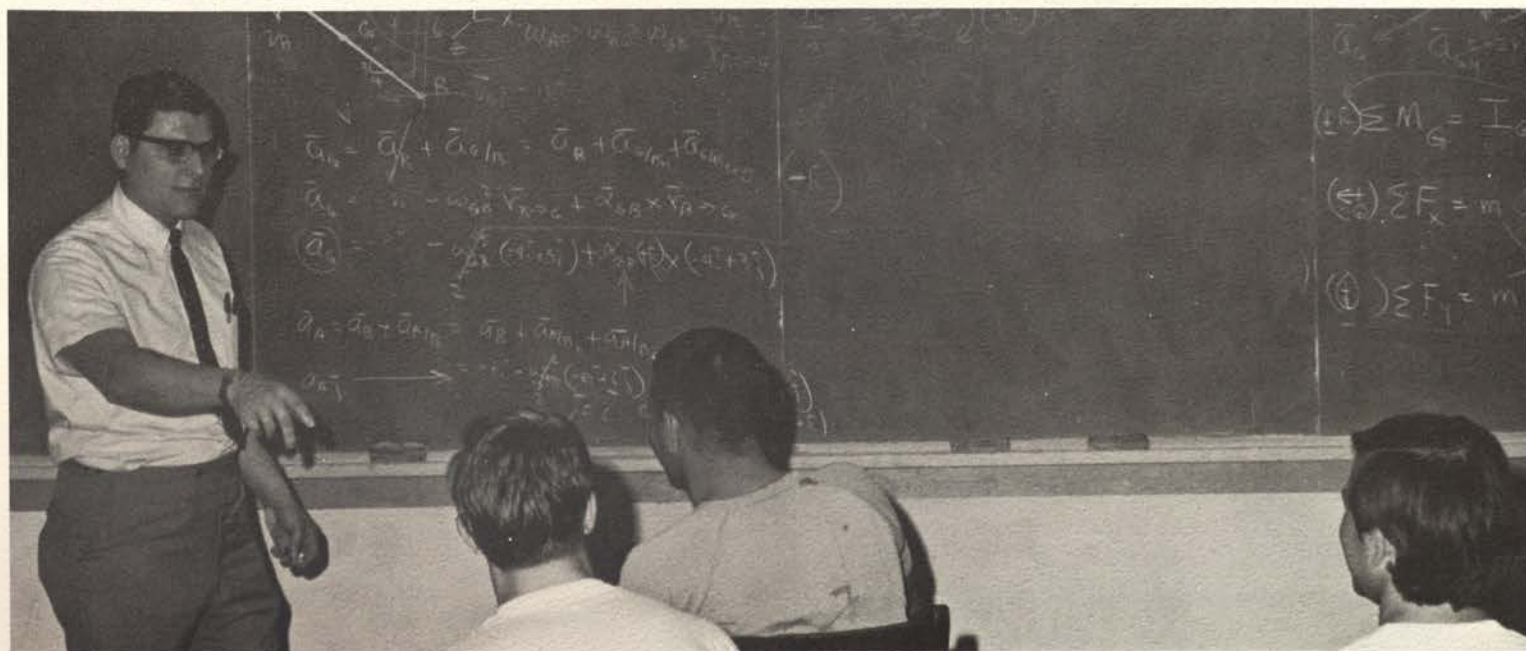


Throughout the past decade that I have been associated with MSM-UMR, first as a student and now as a faculty member, there have been many accomplishments to change the tradition and heritage of this university. The physical changes are obvious to anyone who visits the campus; however, other less physical but more lasting improvements, such as the extension of education into the areas of current technology, liberal arts, social sciences, continuing education, and graduate studies will be noticed for a considerable time into the future. Recent involvements in urban and rural service projects indicate the awareness of the present faculty and student body in the current and relevant technological and social problems of our generation.

With the dedicated excellence of the past 100 years as a foundation to build upon, those who participate in the future of UMR will be fortunate indeed, for they begin with a proud inheritance of quality in educational standards and goals, as well as a rapidly growing quality of facilities and financial aid. Graduates of UMR will join alumni who are recognized in all parts of the world for their excellent training and ability.

The challenge of the future is to maintain and improve this quality of instruction as we increase the quantity of services offered to the students and public. For after all else the basic function and objective of any university is the education of its students for the community, state, and nation that it serves.

J. V. Cusumano  
Instructor of Engineering Mechanics





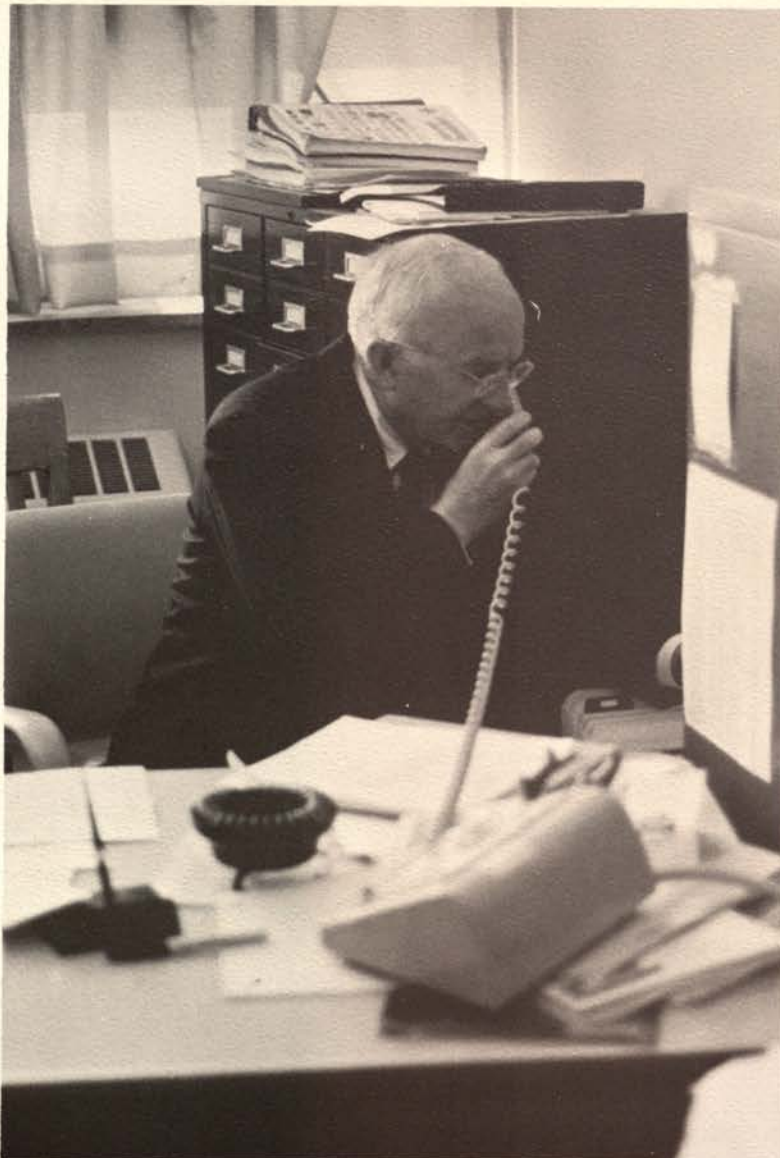


As UMR completes its first highly successful century, the EE Department, proud of its past, is actively planning for the second century of growth in service to students and the people of this nation. As a part of the Centennial Year, the Department is co-sponsoring, with the Institute of Electrical and Electronic Engineers, the UMR-Mervin J. Kelly Communications Conference on the UMR campus. Faculty and students are contributing in many ways to this and other Centennial features.

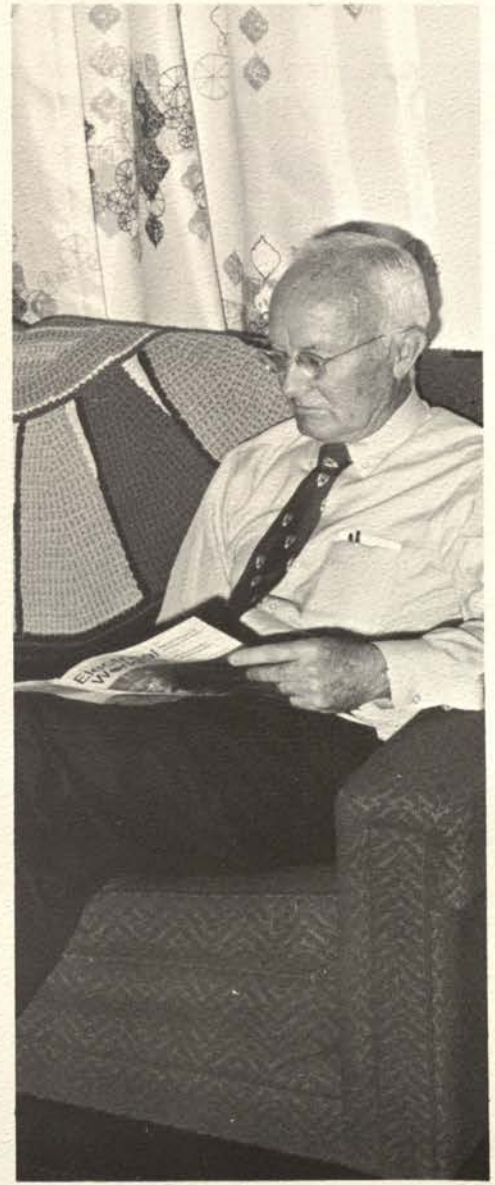
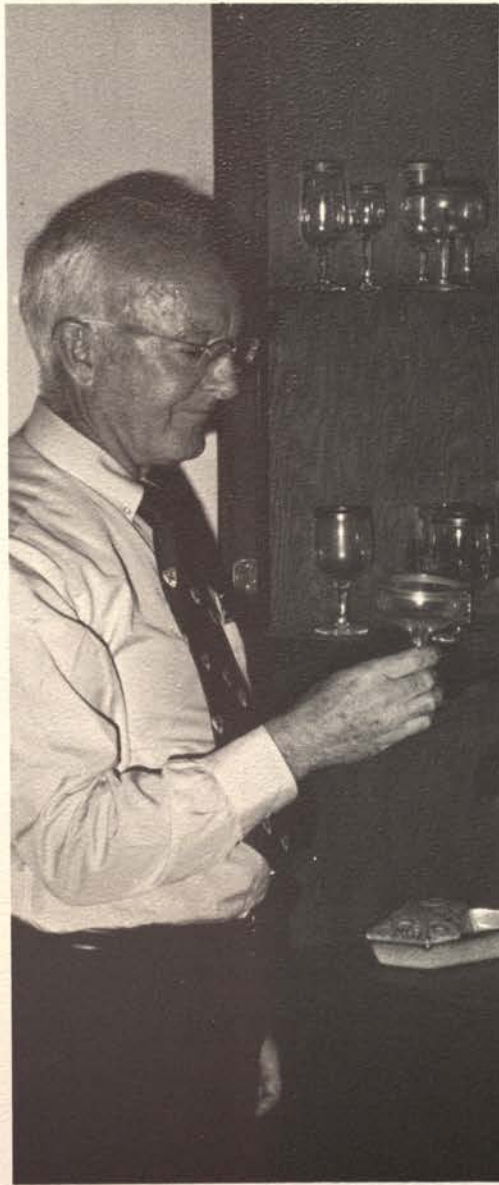
I've been involved with the MSM-UMR campus for 55 years as an employee's son, a student, an active alumnus (and brother of four younger alumni), and for the past 22 years as a member of the EE faculty, and I've seen only continuous and steady improvement in the quality of graduates.

I'm proud to work with the best students in the best Department of the best School in the best University in the World! Those of you who know me also know the expletive I would put after "best" each time in that statement!

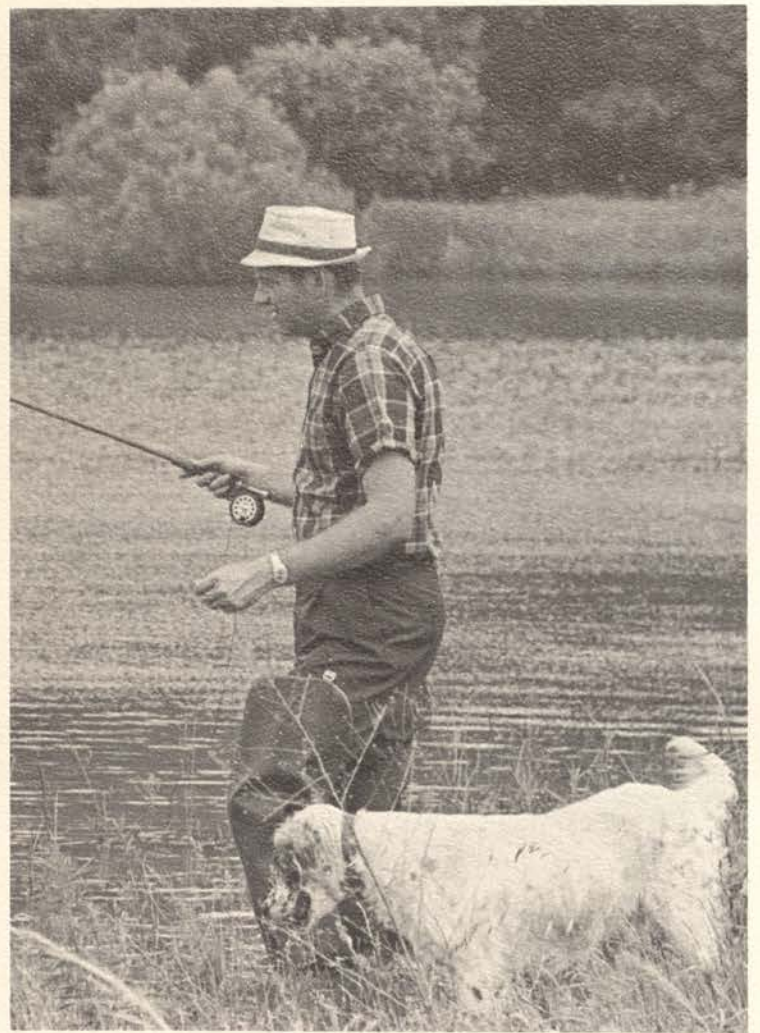
C. James Grimm  
Professor of Electrical Engineering









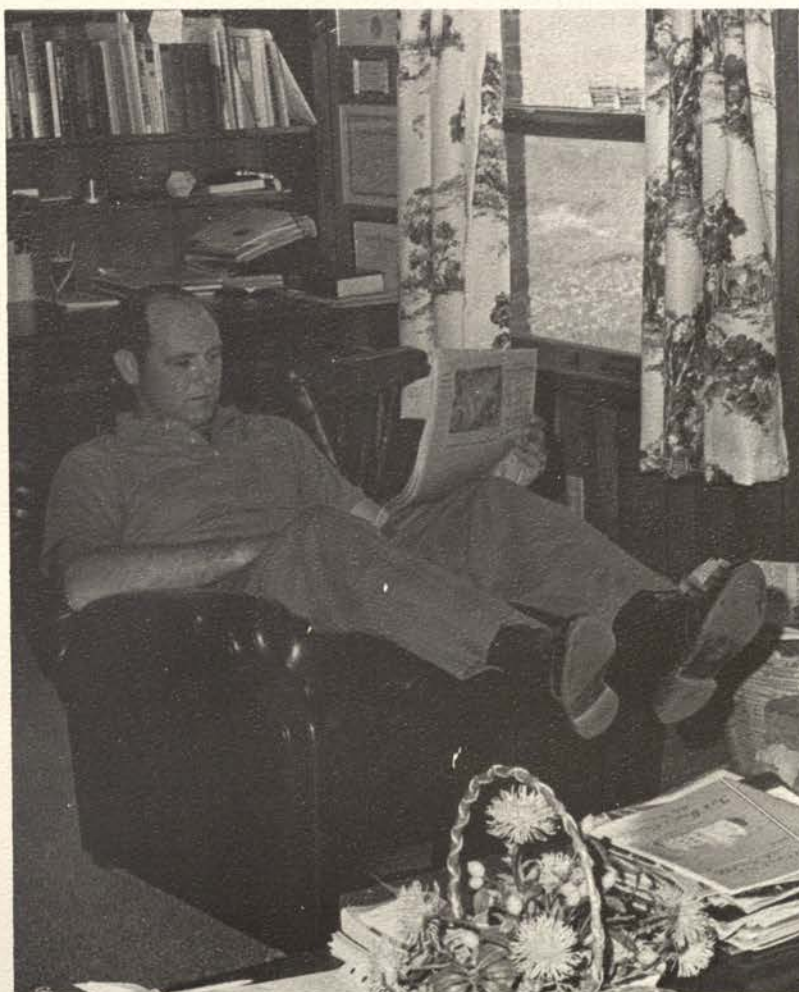
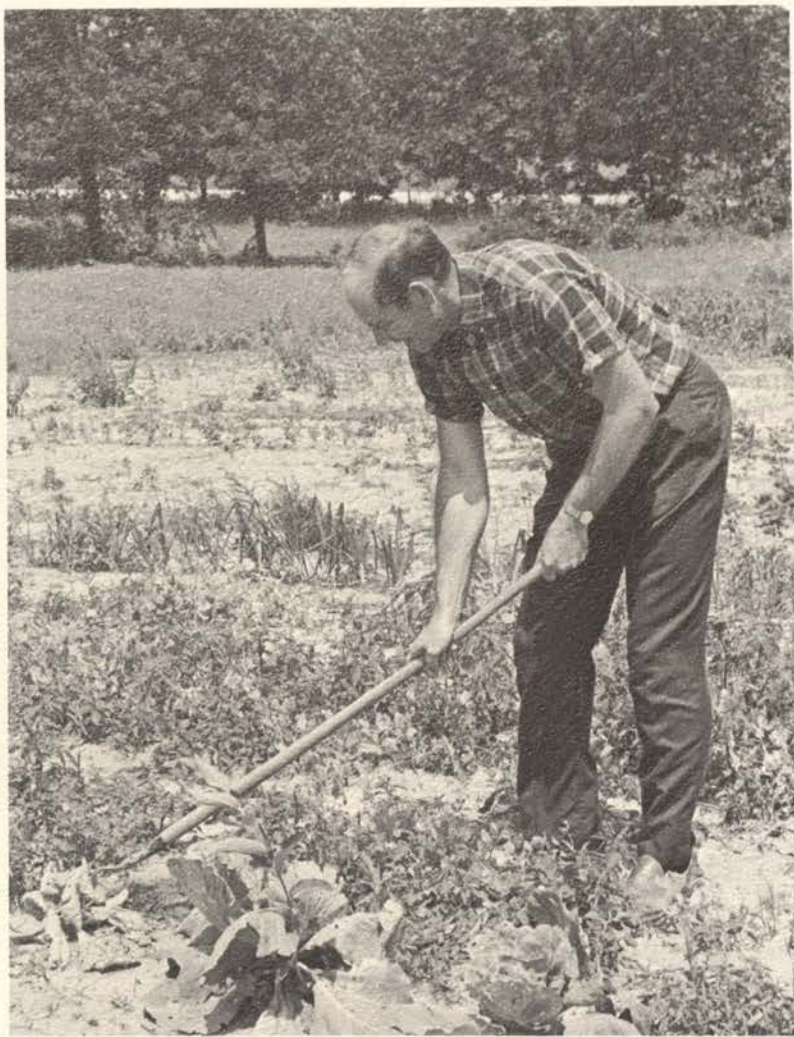
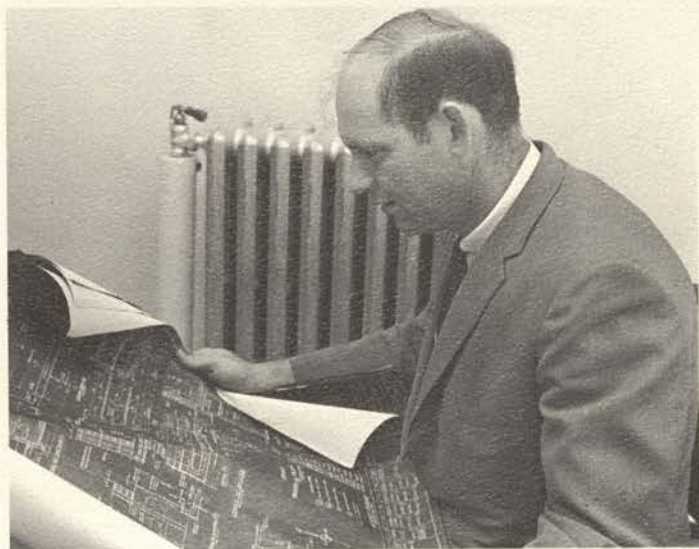




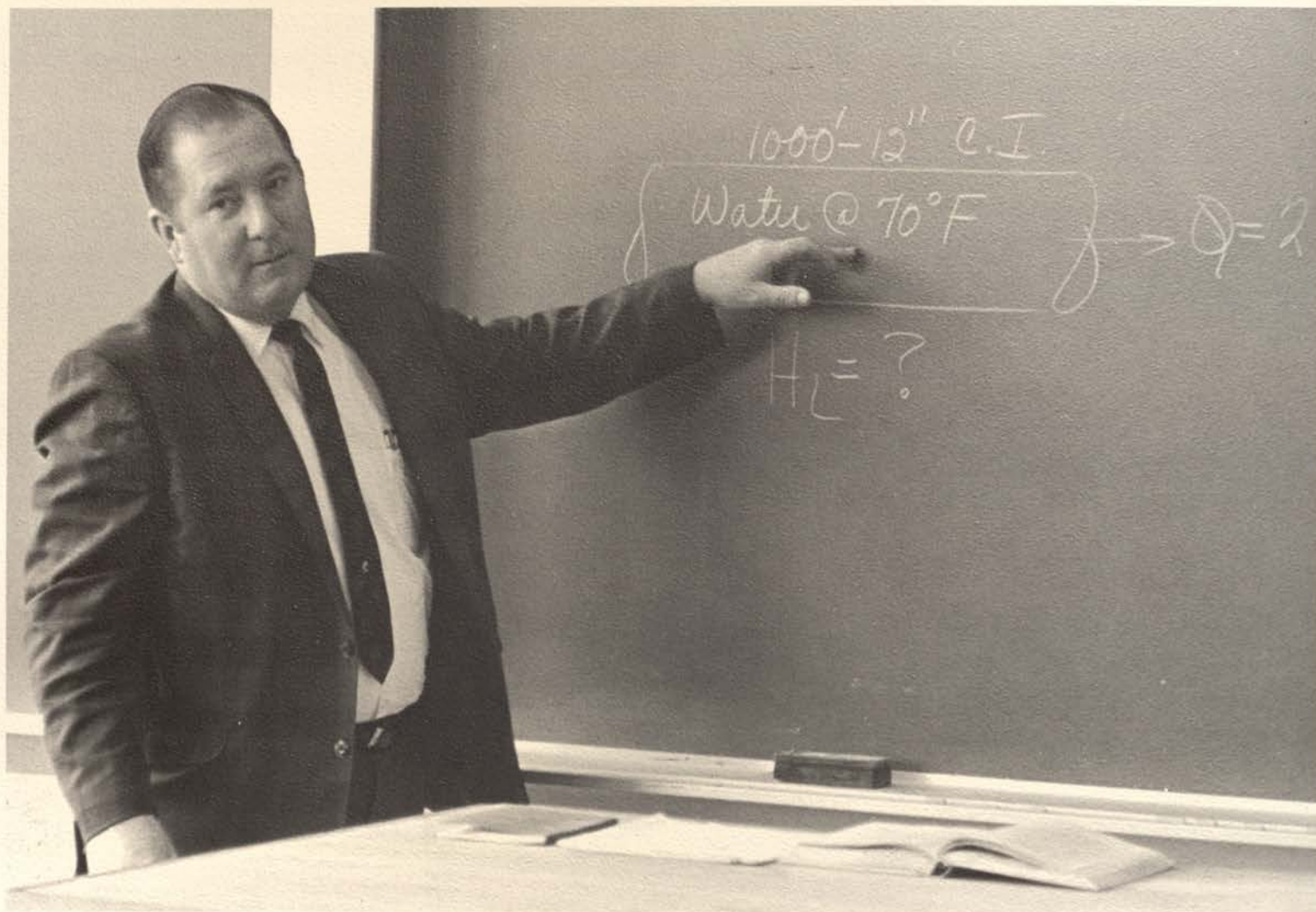
Mathematics has played a significant role in the education of those studying at UMR during the past 100 years. A mathematics professor was a member of the first faculty. It is appropriate then that the Mathematics Department has been able to enjoy and join the Centennial Celebration in a very special way, that is, by awarding her first Doctoral Degrees during the Centennial. The construction of a new facility to house the department is another concurrent landmark.

UMR can certainly look with pride on her first hundred years. With such a distinguished history, it behooves all of us to work toward assuring an equally impressive second hundred years.

Glen Haddock  
Chairman, Mathematics Department









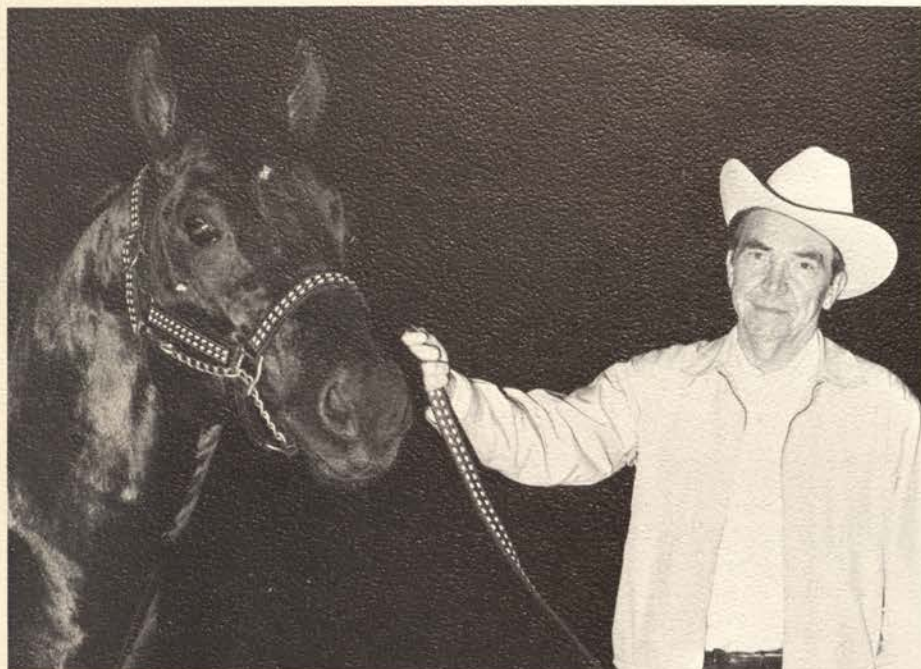
This year is the year of our 100th anniversary, commemorating a century during which the student body has constantly grown until we are now recognized as the largest engineering school west of the Mississippi River. Many of us "bask in the reflected glory" which thousands of MSM, and now UMR, graduates have received for their excellent professional accomplishments.

Many changes have come about during the past century as we have faced each new challenge. Certainly many new challenges will develop in the ensuing century, and UMR will strive to accept each one as it occurs, and to meet it successfully. New programs will develop; old ones will continue to be strengthened. My hope is that we will always strive to maintain and vigorously promote both excellent quality of teaching and somewhat informal student-teacher relationship, which has been a trademark of our campus and which has resulted in a strong feeling of professionalism among our students. This relationship has been responsible, to a large extent, for the high regard in which UMR graduates are held by those who frequent our school in search of technical talent. I hope that both faculty and administration will continue to foster the high quality of our graduates and their professional development.

Paul Munger  
Associate Professor of Civil Engineering





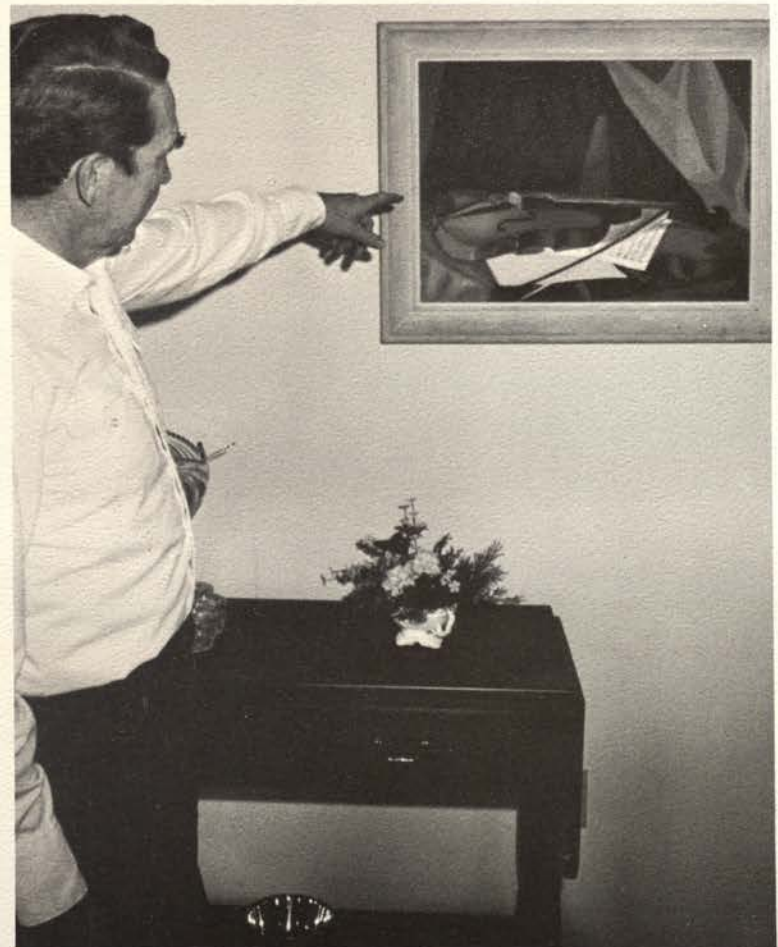
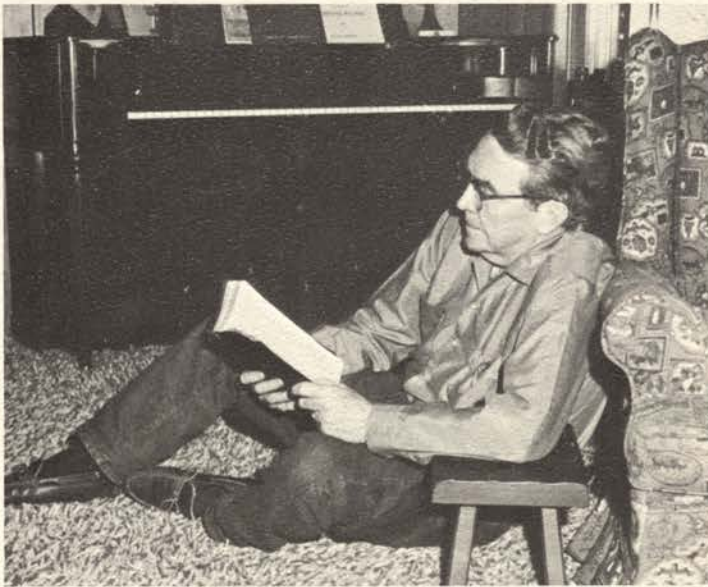
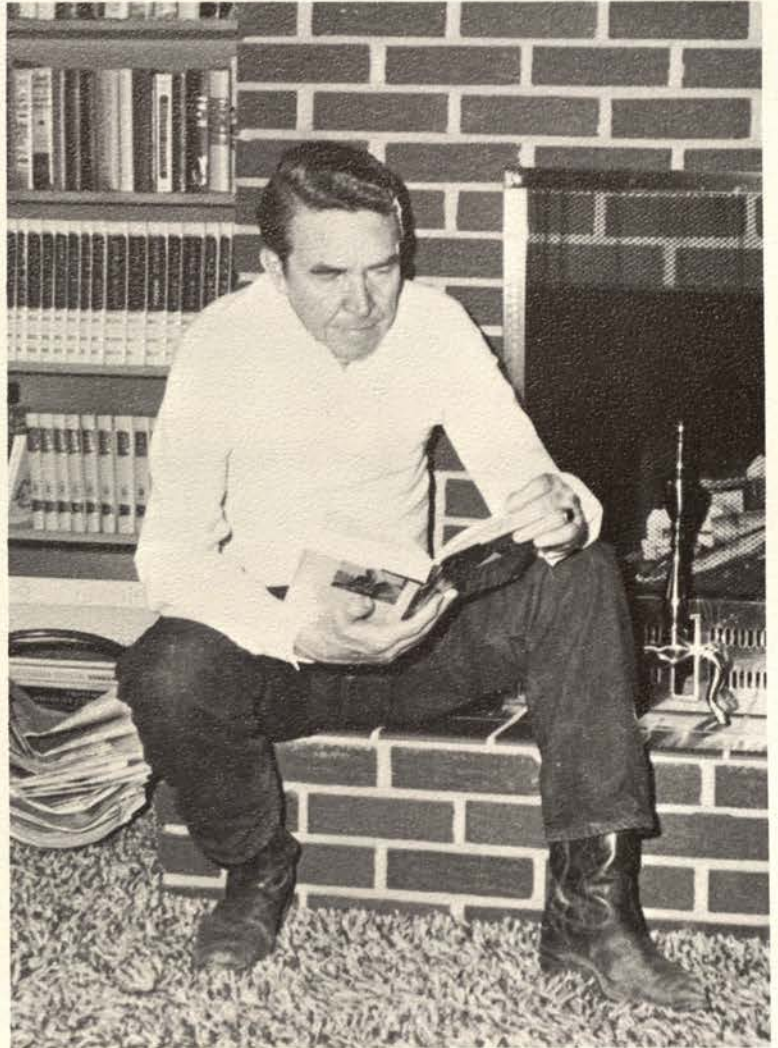


This Centennial Year appropriately marks a major change in the responsibilities of the engineer. He no longer can be concerned with the solution of technical problems; instead, his technical decisions must be made with a keen understanding of their impact on society of their impact on the "environment." To perform properly under these rules he must use "multi-disciplinary" approaches to his problem-solving. He must work hand in hand with sociologists, psychologists, economists, ecologists, and in many disciplines.

We, at Rolla, are making progress in meeting these new demands of society. Multi-disciplinary teams are at work on a number of problems. In addition, in the last three years, we have developed outstanding programs in engineering management at the bachelor's and master's level. The thrust of these programs is to provide technical men with broader understanding of their role in society, men who can better solve the complex social-economic-environmental problems of tomorrow.

Bernard Sarchet  
Chairman  
Engineering Management

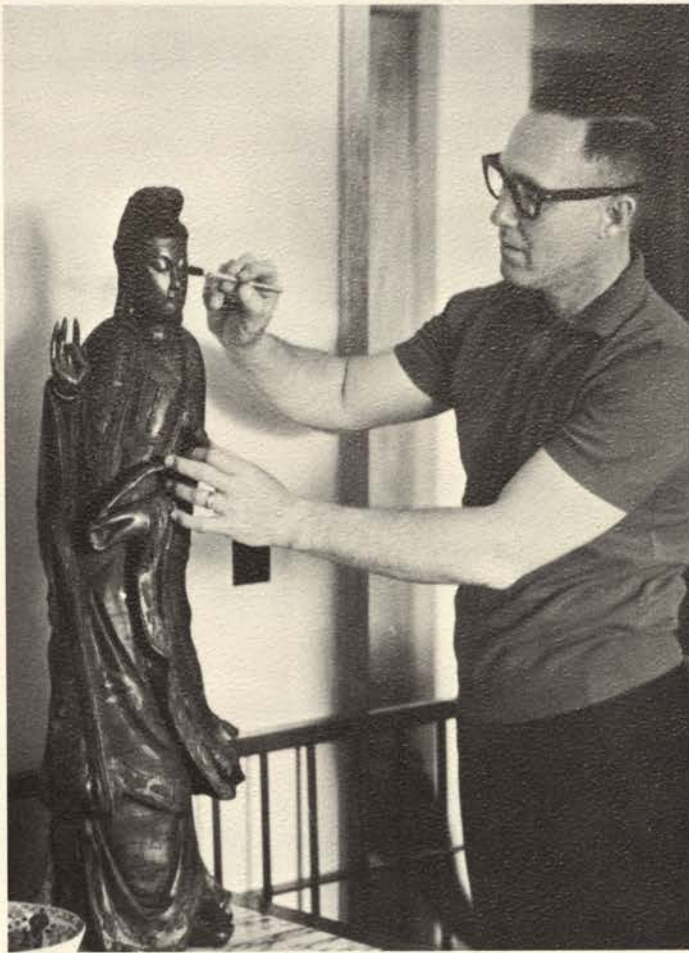












The "100th year" provides a singular opportunity for us to reflect upon the human condition. As a graduate, proud alumnus, and, briefly as a faculty member before retirement from military life, I leave UMR refreshed by the warm associations with so eminent a faculty group and so splendid a student body.

The stimulation of the worthy minds of worthy men and women moves apace with the creation of a greater University and evokes a silent, deep pride in all who participate.

Through a sincere and dedicated pursuit of truth and intellectual honesty by all at UMR in these troubled contemporary times, we rise above the everyday and proceed unafraid to excellence, accomplishment, humility, and growth.

Lt. Col. Richard Spieldoch  
Deputy Professor of Military Science

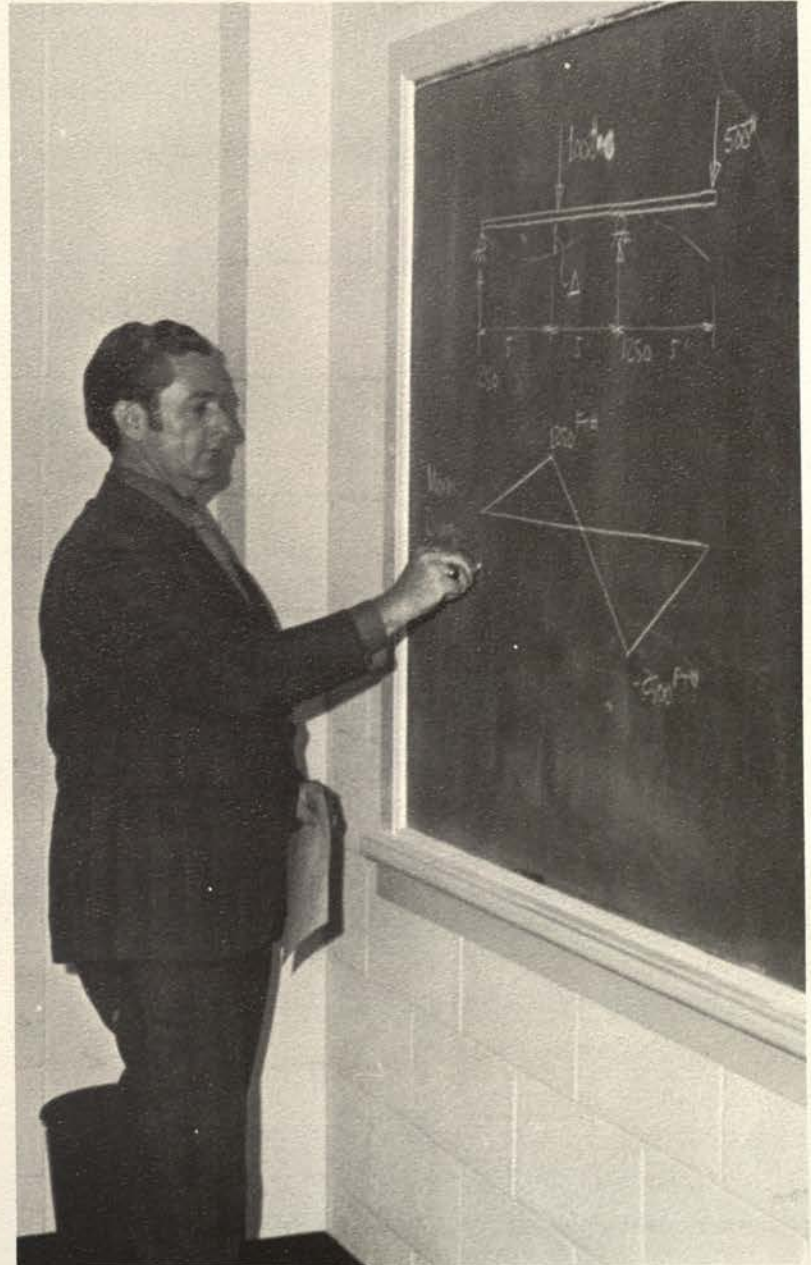




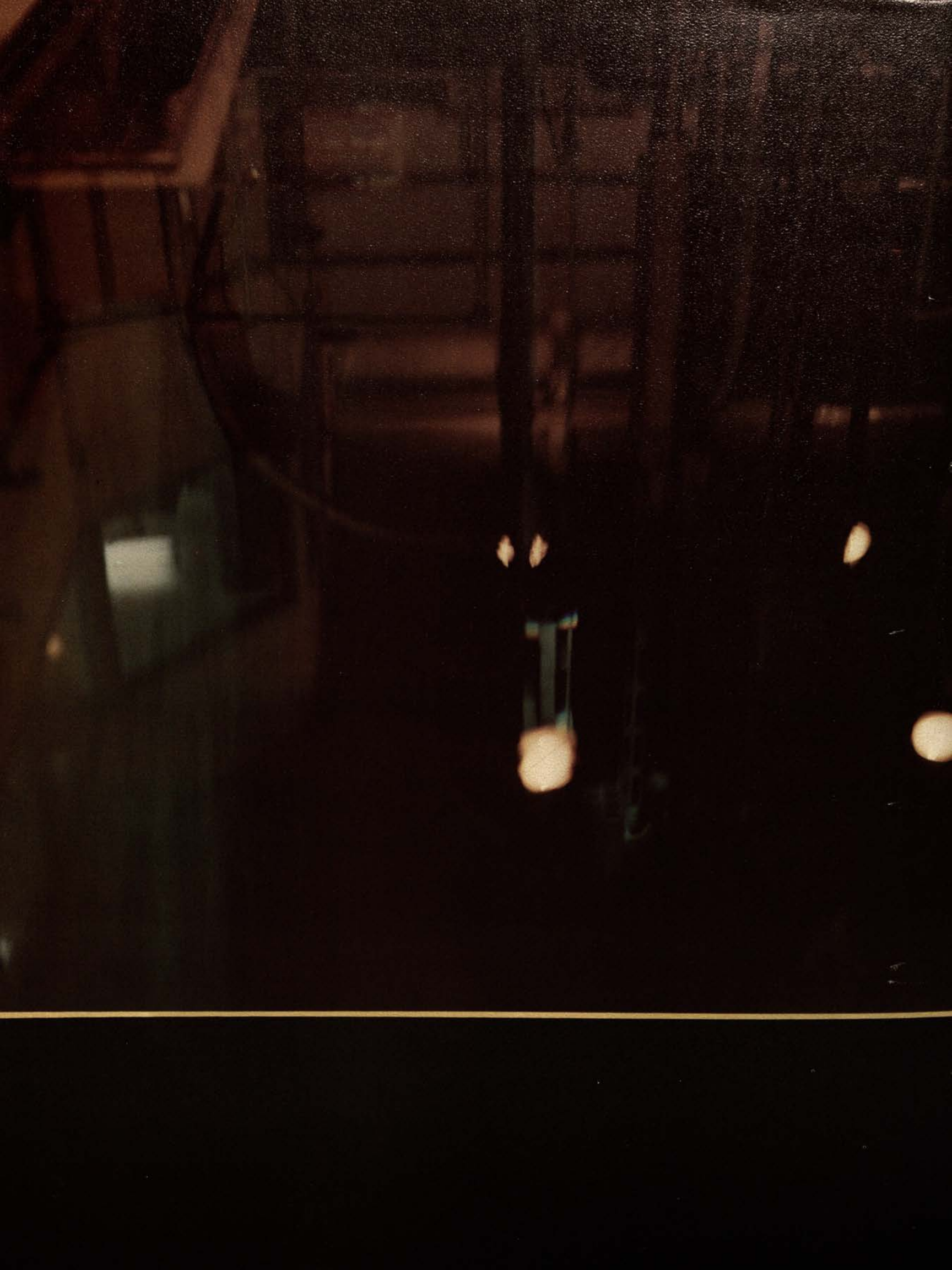


Since the birth of MSM-UMR one hundred years ago, there have been thousands of alumni leaving this campus and serving in all areas of the world. This University has made a reputable name for itself through them. You might say this University has graduated with its own "public relations team." The University has been noted as a leader in producing engineers for industry who could apply themselves and solve the technological problems. I think this need is even more prominent at the beginning of the second hundred years as society of the world wants and needs the immediate solutions to the everyday problems within our surroundings. We do not need merely investigations of problems and statements of what our problems are, written up in a report, book, or news article. We need engineers who are "doers" and "problem solvers." I hope and expect that this University's educational goals will provide this philosophy for the development which the future will bring, as it has done in the past. UMR can accomplish its mission, with an adequate review of its traditions, incorporating innovations in educational procedures, using continued constructive influence in student activities, and realistic guidance and management in administration.

LeRoy Thompson  
Instructor of Civil Engineering









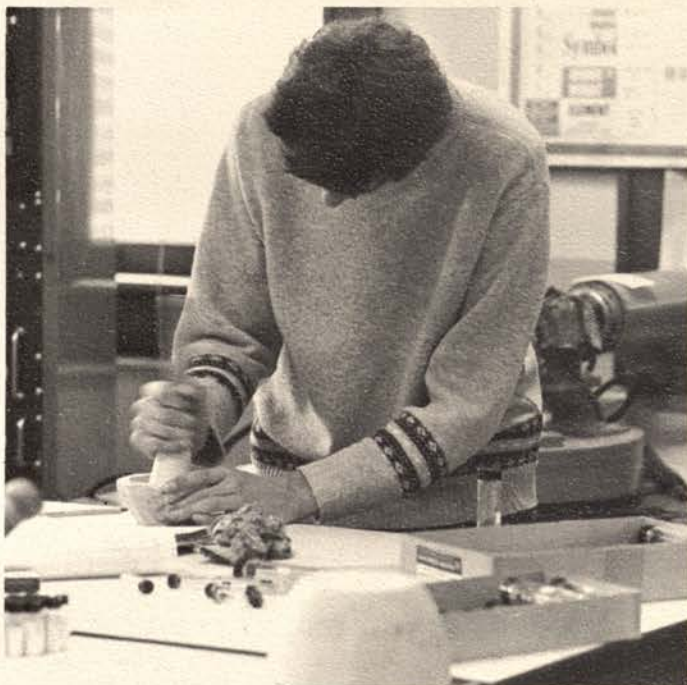
# Departments



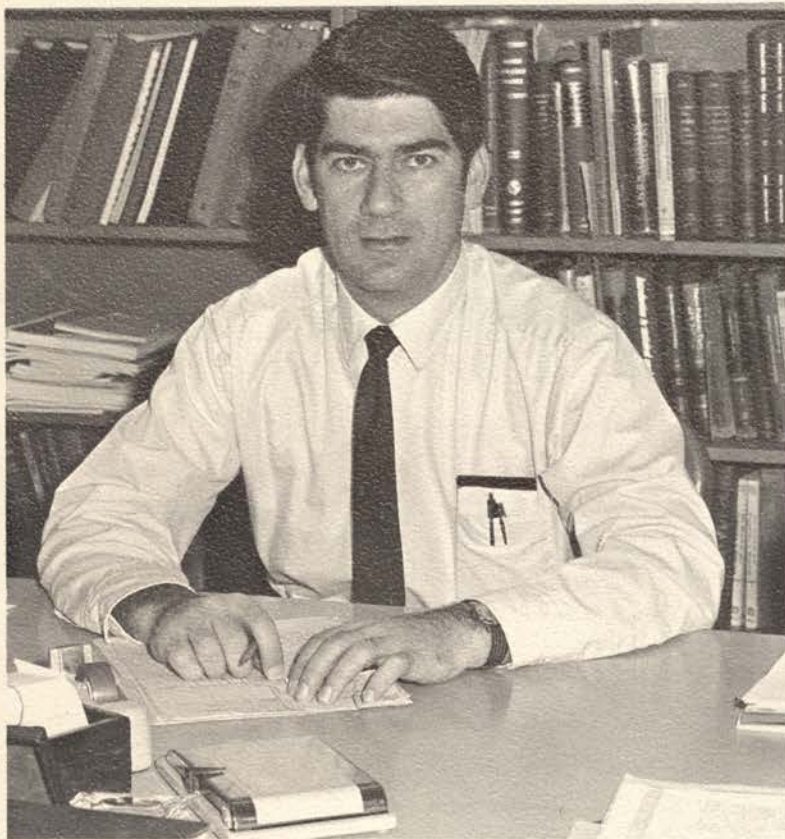
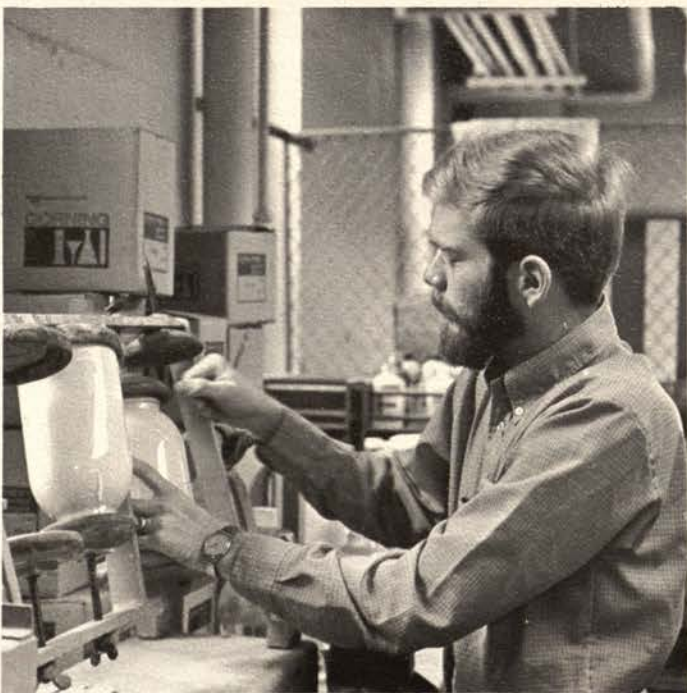


# Ceramics grads find excellent employment

The volume output or gross productivity of an academic program is measurable by the number of degrees granted. This number may accompany high quality or the lack of it. Quality is measurable, at the B.S. degree level, by the type of employers hiring graduates. The marks of quality are sought by the Ceramic Engineering Department at the University of Missouri - Rolla and this past year saw many of them being met. Record numbers of graduates were employed by companies who are leaders in their various fields. A very high rate of publication and a record level of fellowship and scholarship support attested to outside recognition of a drive toward excellence.

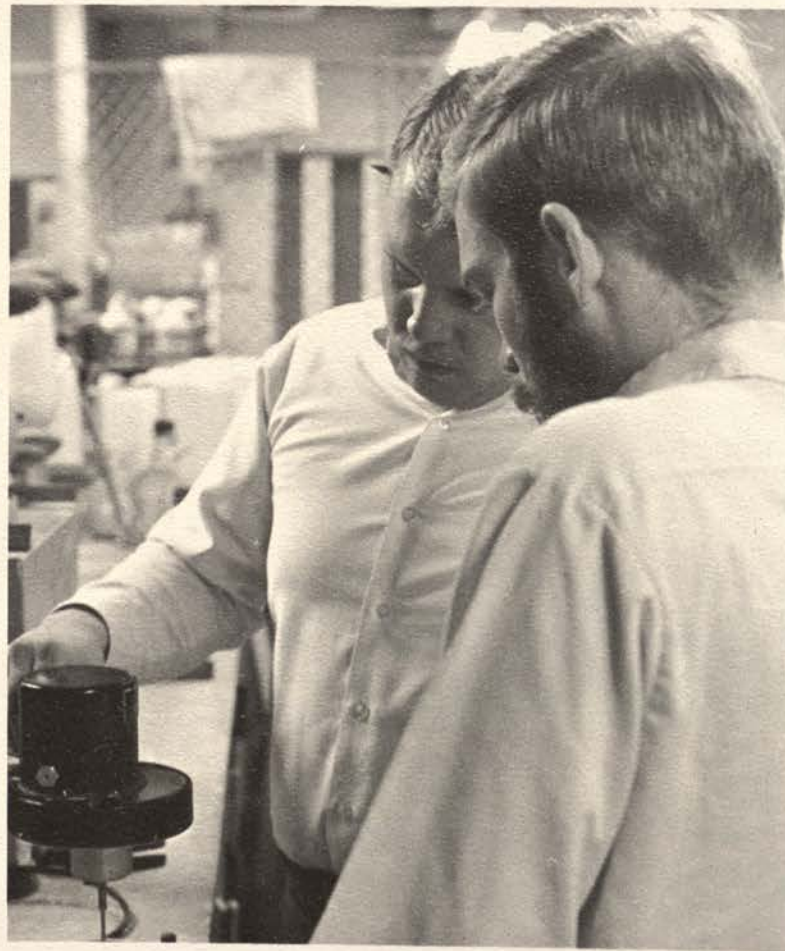


Mixing up a new compound, while in an afternoon laboratory, this student looks forward to baking the compound and later testing its qualities.



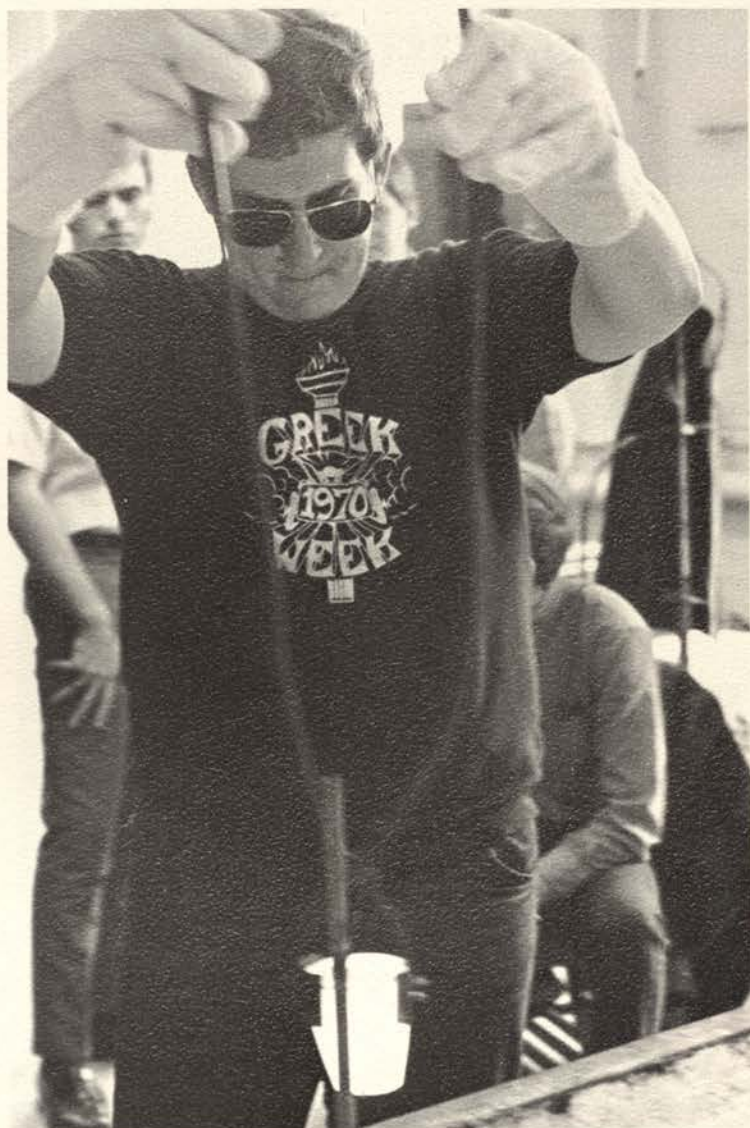
Dr. Robert E. Moore  
Chairman of the Ceramic Engineering Department

Jeff Green and another student measure the viscosity of a clay-water sample to determine the strength it would have after baking in an electric furnace.

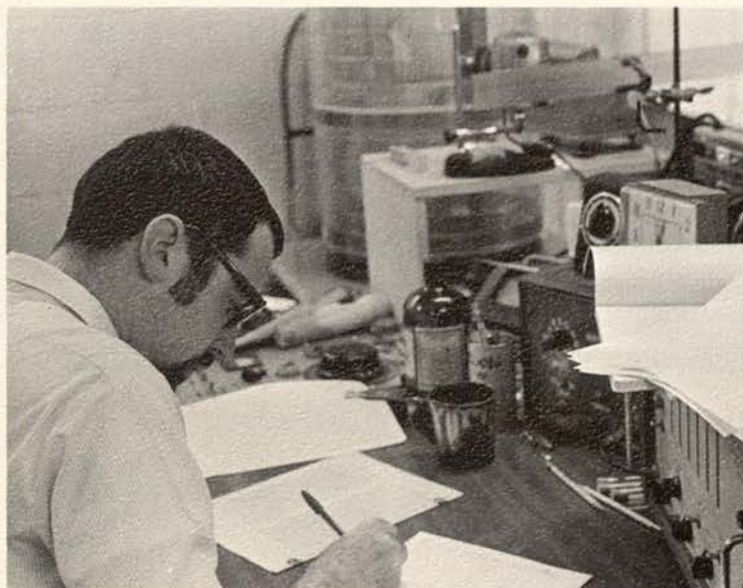


Jim Stubbs, a Ceramics Engineer, places a jar containing a premeasured clay-water mixture on a jar blunger used to emulsify the mixture thoroughly.





In the ceramics laboratory, a well-protected student removes a white-hot crucible from the furnace by means of a pair of long-handled tongs.



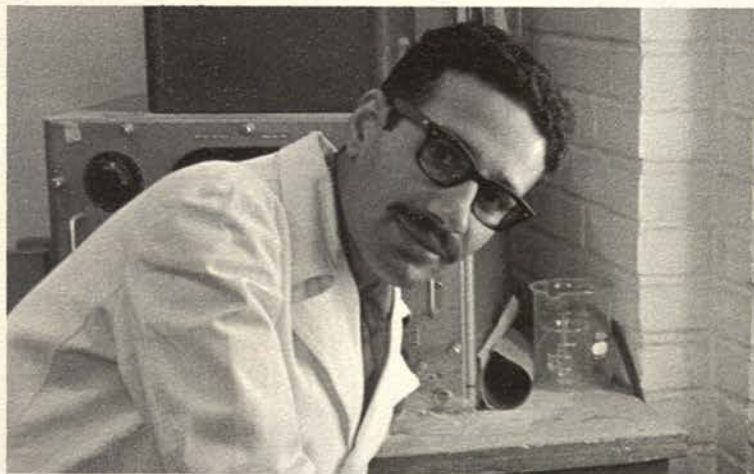
While measuring the internal friction of a glass sample on the torsion pendulum, this ceramics student writes down the results from the test.



A student tries to shape the end of a fused silica tube, on which he plans to perform tests with a gas-oxygen torch producing tremendous heat.



Measuring the viscosity of a new mixture, Jeff Green hopes that it will prove to be very useful as a ceramic coating for a metallic object.



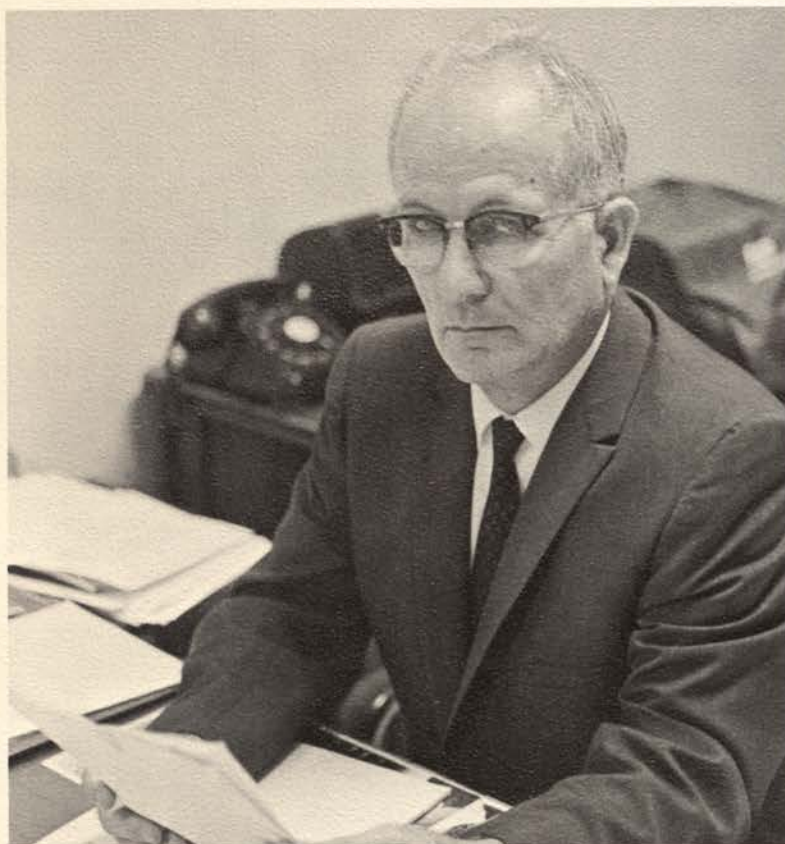
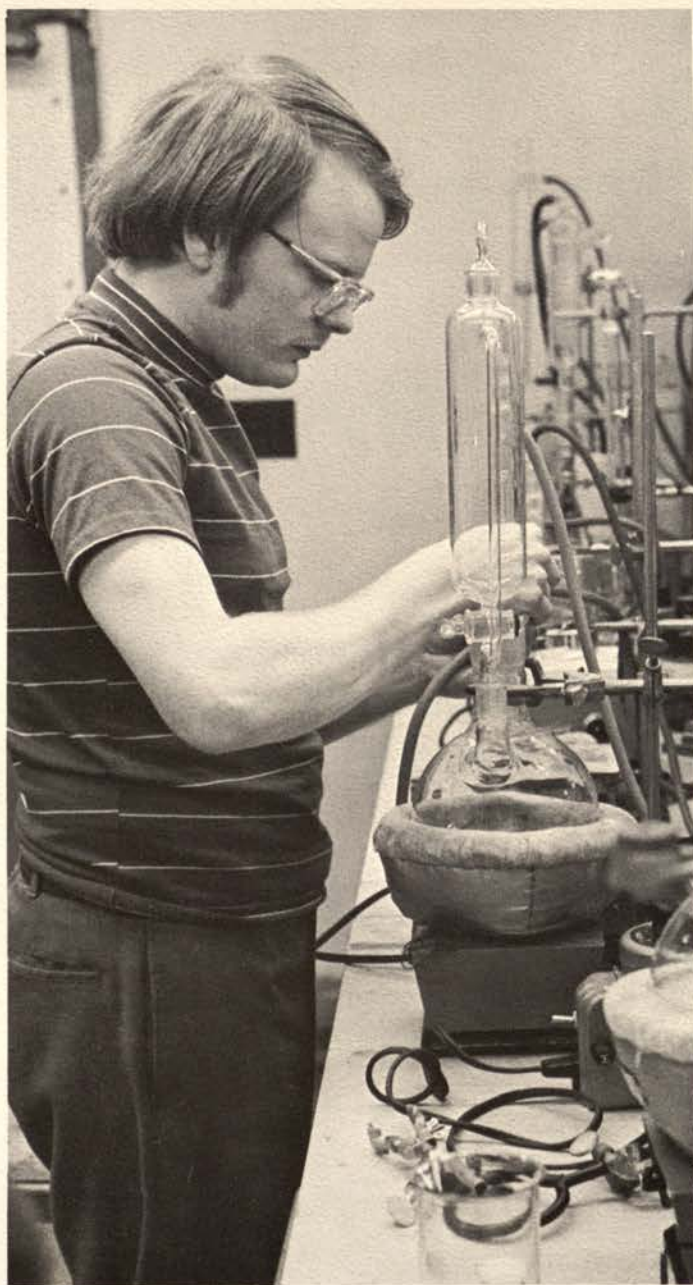
While grinding a glass sample, A. I. Latif poses for a candid shot before he resumes showing the class how to perform the operation.



# Old Chem. Building fire hastens emergency

Viewing chemistry as the science concerned with the composition of matter and the changes which matter undergoes, the Department of Chemistry at UMR offered extensive programs. Since the prime requirement for chemists is laboratory work, the department offered many opportunities for a student to pursue his interests in the qualitative and quantitative analysis laboratories, and the physical, organic, nuclear, and analytical chemistry laboratories. When the old Chemistry Building was destroyed by fire this fall, the paint and polymer chemistry laboratories went with it. Also destroyed were classrooms used for short courses during the summer session. As a result of the fire, emergency funds have been appropriated and plans were made for new facilities on the same location.

A Chemistry student must spend many hours in the chem lab working on experiments concerning many theoretical ideas and concepts.



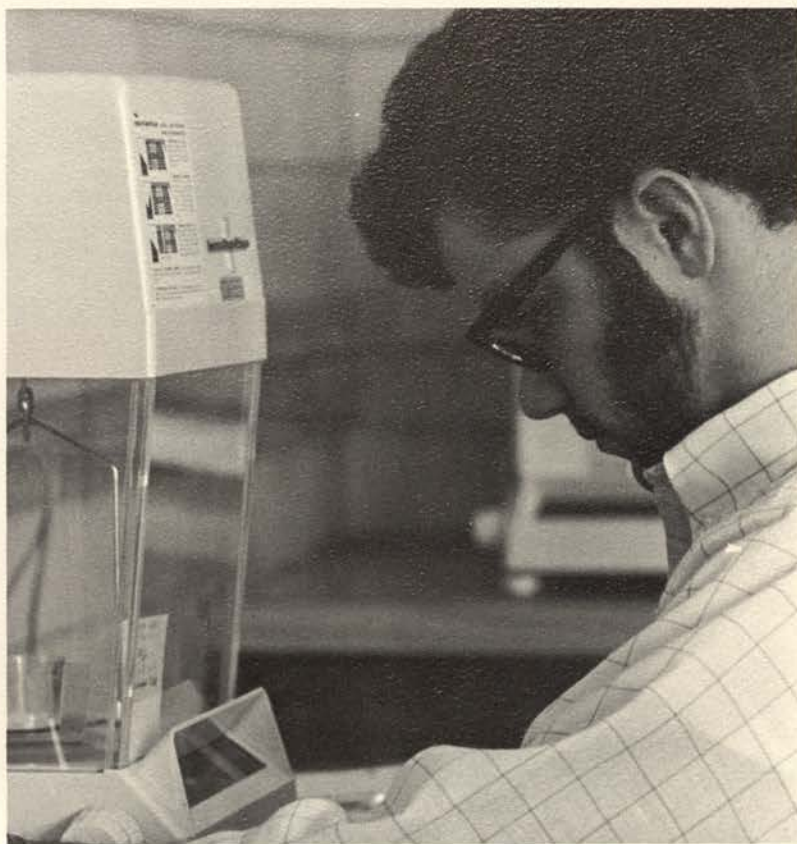
Dr. William H. Webb  
Chairman of the Chemistry Department



After many long hours in senior Chemistry laboratory, this student looks in amazement as he finds that his experiment is working out as planned.



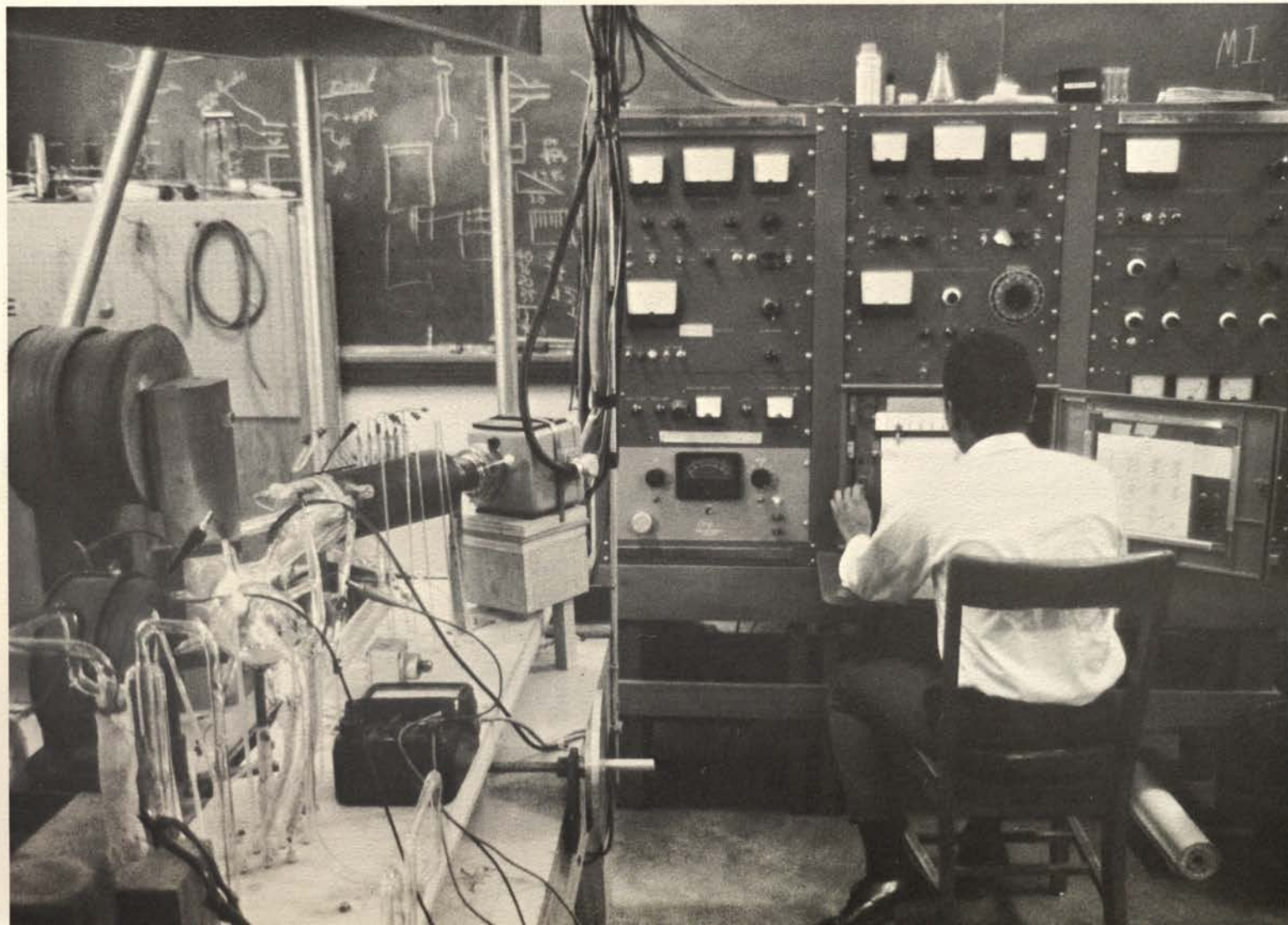
## funds for construction



A student of Chemistry weighs a sample on an electronic balance which he will need for his afternoon experiment in the Chemistry laboratory.



Keeping accurate measurement of time is one of the most important steps in any chemical experiment and requires constant attention.



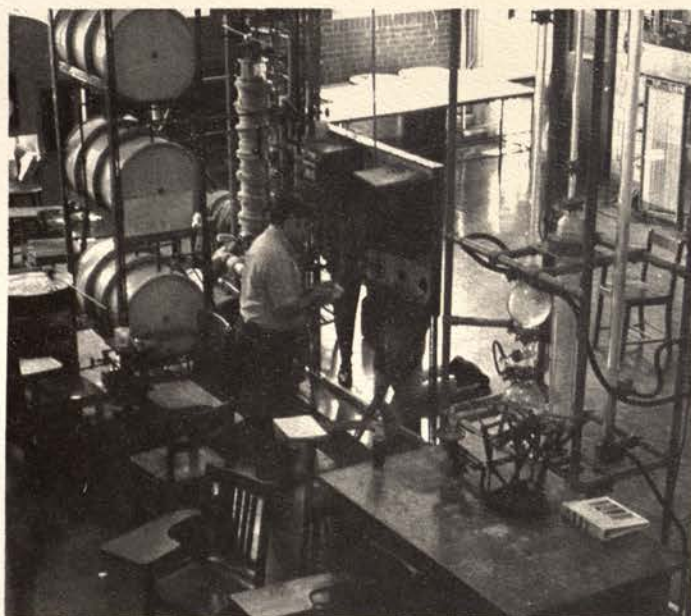


# Laboratory work is essential to Chemical

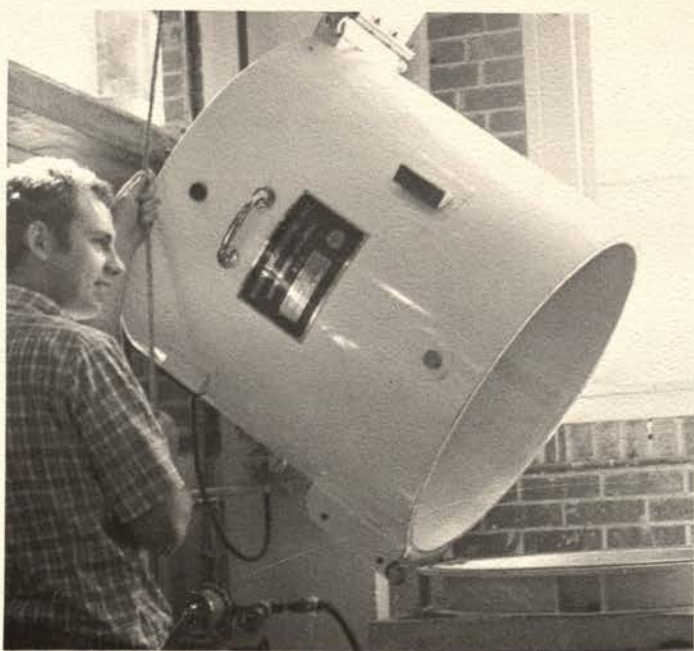
Chemical engineers have had many different positions open to them, including research, process development, production supervision, plant designing, product sales and marketing. The Chemical Engineering department has done its best to meet these demands of industry, by designing the curriculum to prepare engineering students, for this very necessary work in chemical industries and plants using chemistry in their production.

As all Chemical Engineering students at UMR soon find out, laboratory work is a very essential part of their learning process. To fulfill this necessity, a unit operations laboratory provided facilities for pilot plant experiments in unit operations and the photographic laboratory provided facilities to meet requirements essential to research and advanced study in the field of chemical engineering.

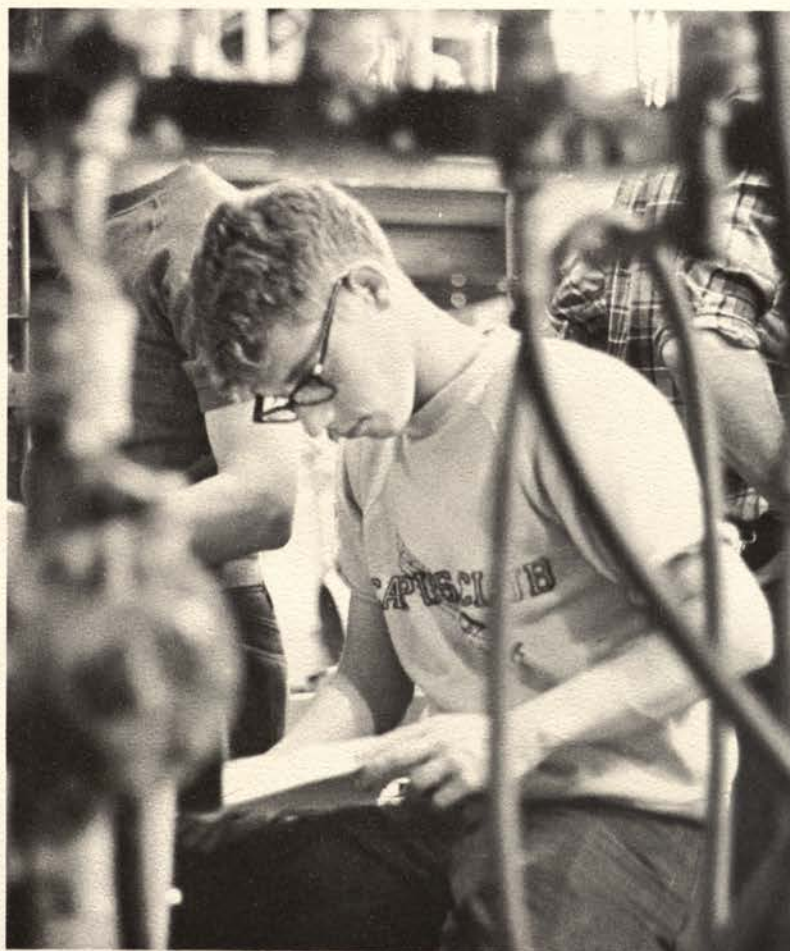
Deep in the jungle of the Chemical Engineering laboratories, a grad student prepares a potion which will give him courage to go on.



Dr. Mailand Strunk  
Chairman of the Chemical Engineering Department



What appears to be a large oven is actually a spray dryer with which these students are drying samples on which to perform tests.



Seen through a maze of Pyrex tubes, Ken Westray seems to be lost with pages of calculations in solving a problem needed for his experimental data.



# Engineers in research



Working on his thesis, this graduate student is busy compiling notes that will determine whether or not he will get his doctorate.



While watching the flow rate chart, a shapely coed takes down the data for a future experiment she will perform at a later date.



Working together on a project, these Chemical Engineering students help their instructor move an expensive piece of equipment to the lab.



# Civil Engineering department is largest

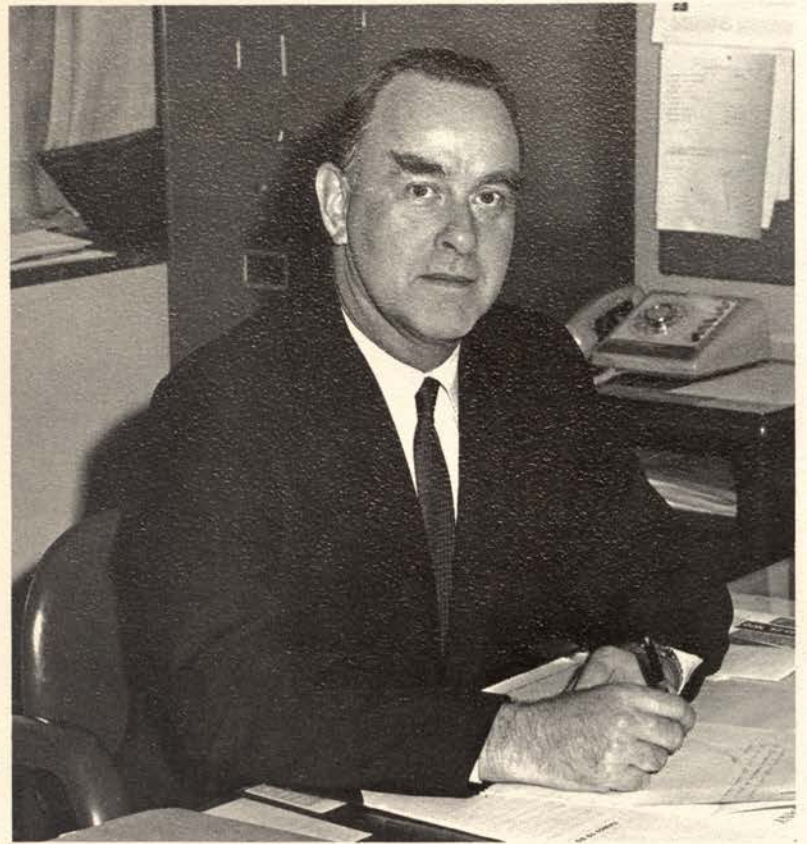
The Civil Engineering department has continued to meet the increasing demand for Civil Engineering by graduating the largest class in its history. The quality of the department has continued its highest level of excellence, which is shown by the numerous grants which the department has received. Among these grants are: a training grant in Water Supply and Pollution Control, a Research fellowship in Water Supply and Pollution Control, both from the Federal Water Quality Administration, two research grants from the allotment program of the University-Wide Water Reservoir research center, one matching-fund project from the office of Water Reservoir Research of the Department of the Interior, an unrestricted gift for research from the St. Joseph Lead Company, and an Urban Problem Solving grant.



Flow characteristics are of great importance to Civil Engineers; while in the laboratory they seem to be very unnecessary.



Running gradations in the materials lab can be a very exacting science, but these students seem to have things under control.



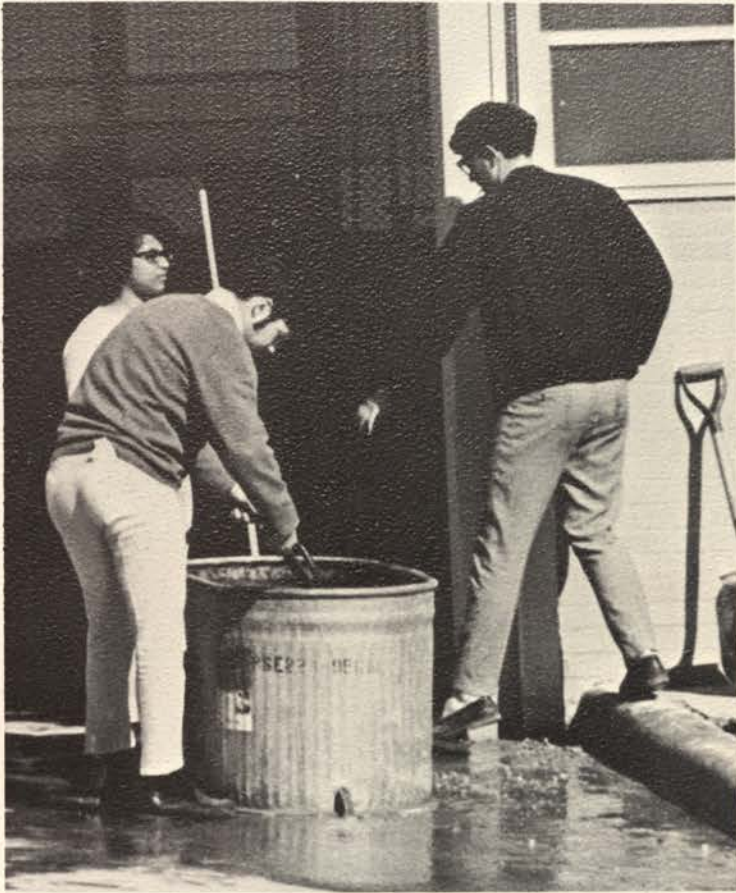
Dr. Joseph H. Senne  
Chairman of the Civil Engineering Department



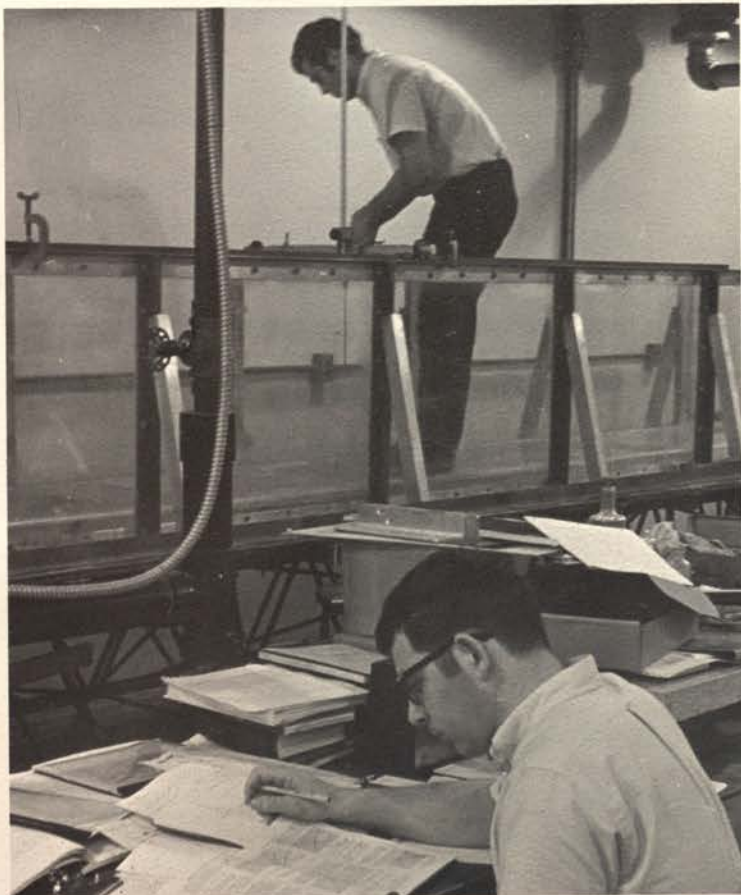
Surveying the countryside can be a very interesting experience, but not all Civil Engineers have the good fortune to have a female for a lab partner.



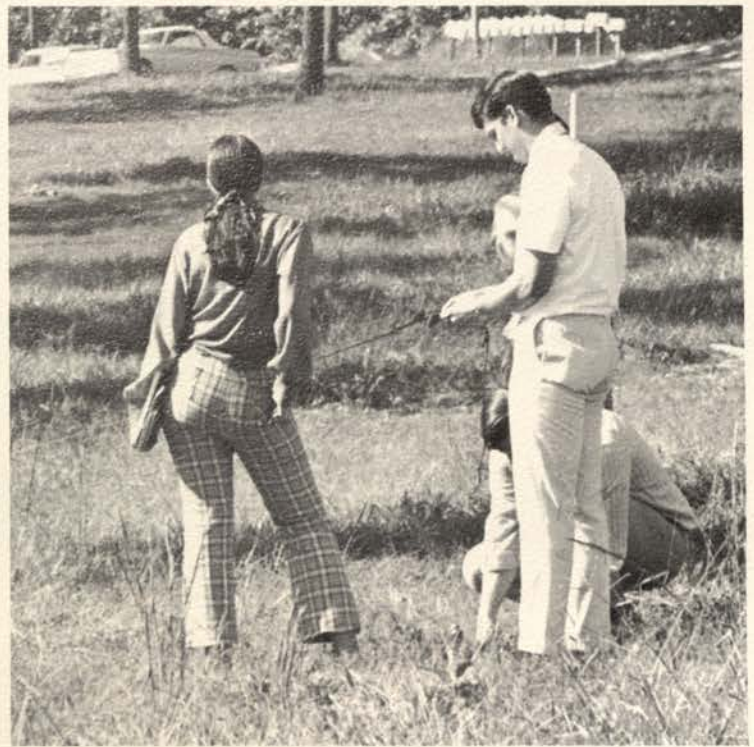
in the country



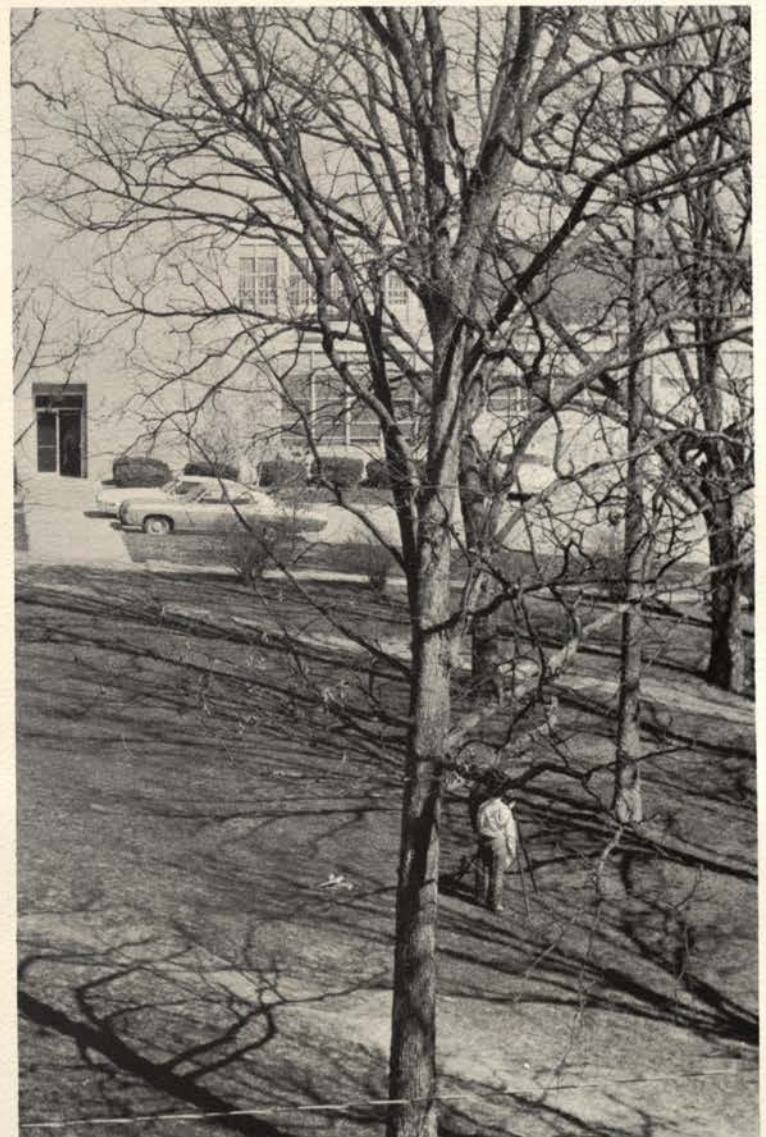
Concrete laboratories are an essential part in every Civil Engineer's afternoon, but the class is not over until the cleanup is complete.



Comparing the cross flow characteristics of an experimental weir, this student tries to calculate the experimental error he encountered.

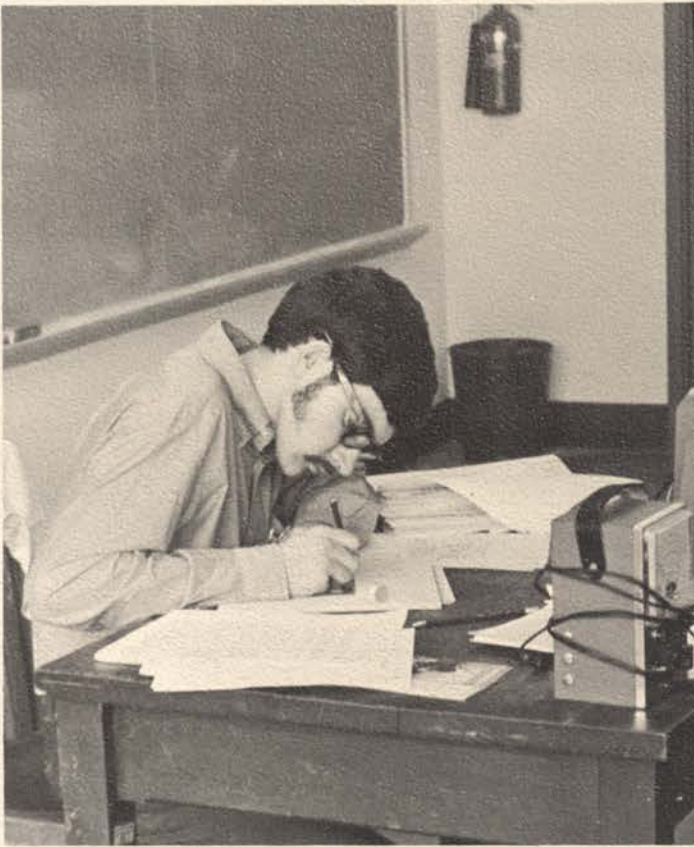


Measuring the length from tripod to the rod, these Civil Engineers do all the work while the weaker sex keeps everyone under control.

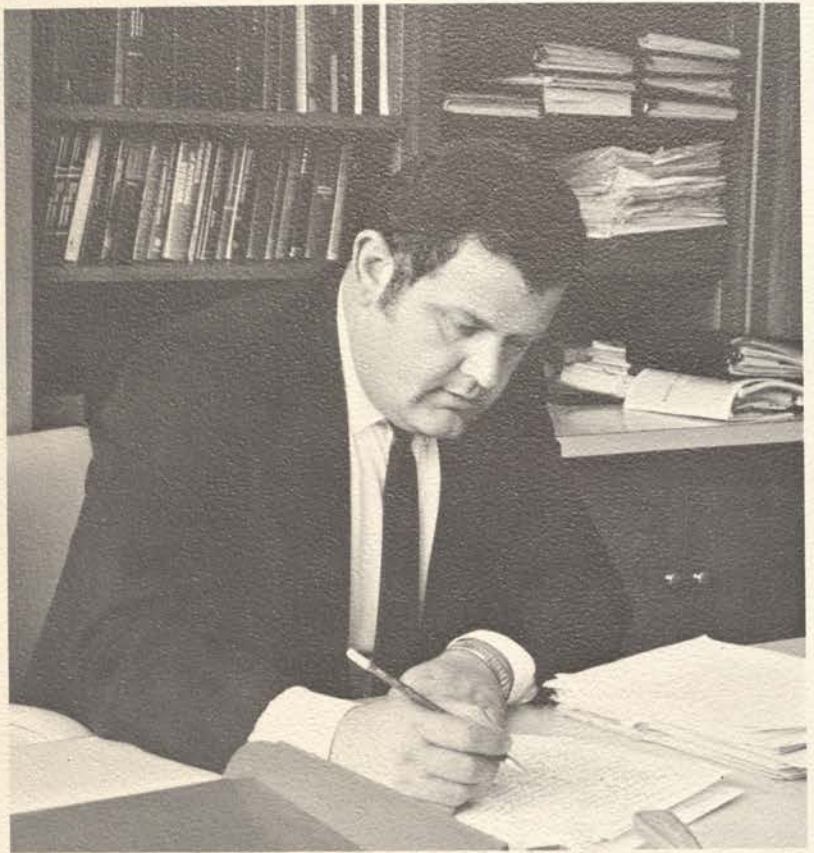


Framed by the majestic oak trees on our beautiful campus, these students attempt to survey the land surrounding the Civil Engineering building.





Working diligently to help his class in any way possible, Mr. Heflin, lab instructor, calculates the experimental error the class obtained.



Dr. John Betten  
Chairman of the Electrical Engineering Department

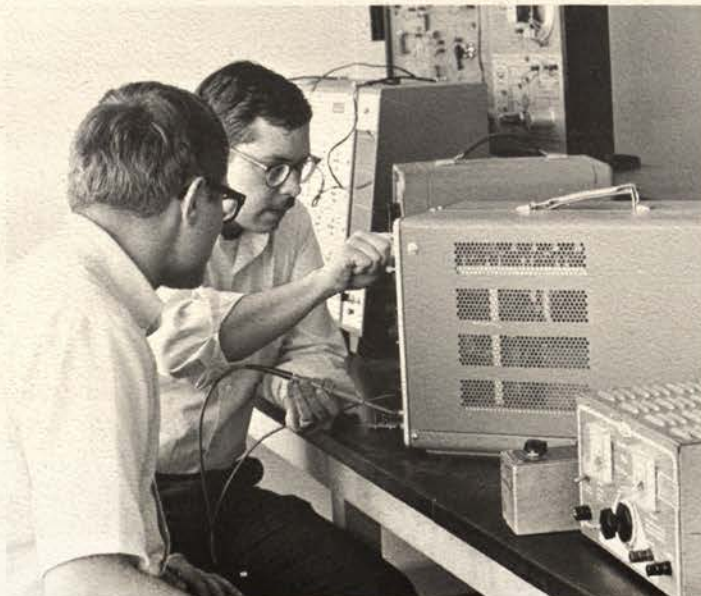
## EE department is one of the largest on campus

The enrollment in the Electrical Engineering Department this year was at an all time high, well-over 1200 students; and it ranks as one of the largest departments on campus. The department has upheld its high standards, and as a result has been awarded numerous grants by the National Science Foundation, the National Aeronautics and Space Administration, and

others.

The department offered many different areas of specialized study, electronic circuits and computer-aided design, fields and waves, electric power and energy conversion, communication systems, digital computer design and switching circuits, control systems, and physical electronics.

Working on their graduate thesis, these graduate students adjust the setting on an oscilloscope they have worked with in the lab.



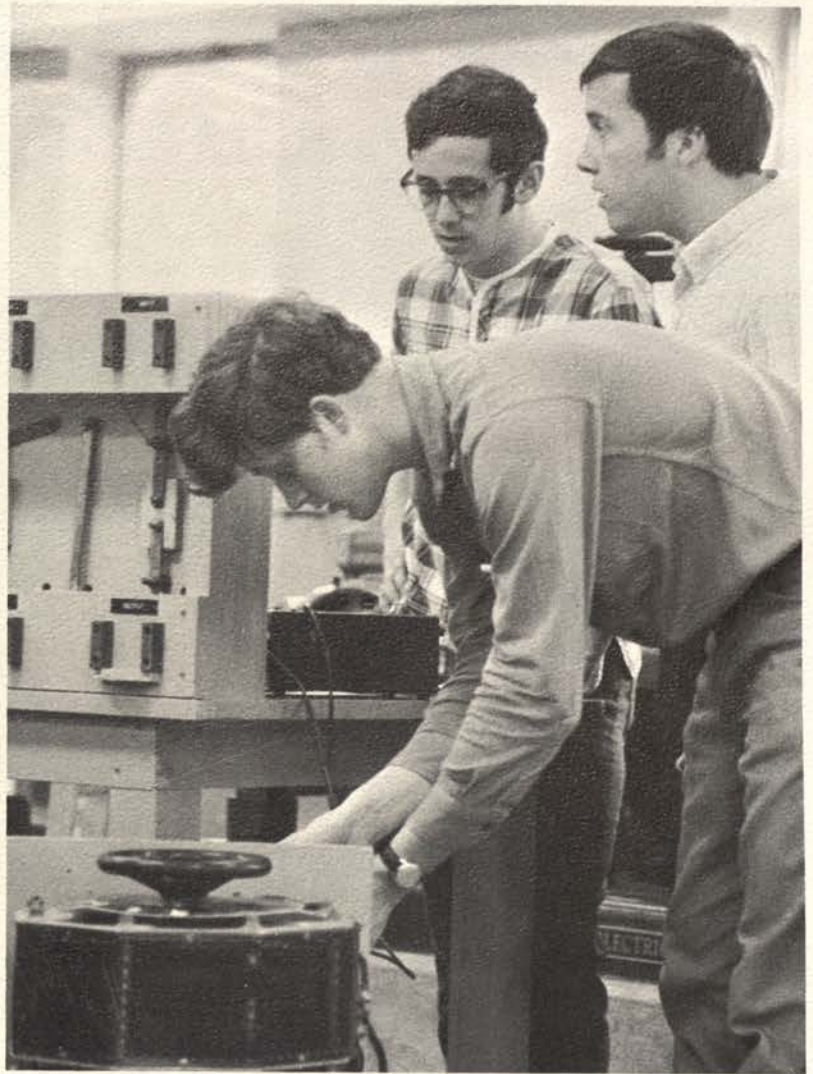
Compiling data is one of the most important steps in any experiment. These graduate students seem to be baffled as to why their data does not match.







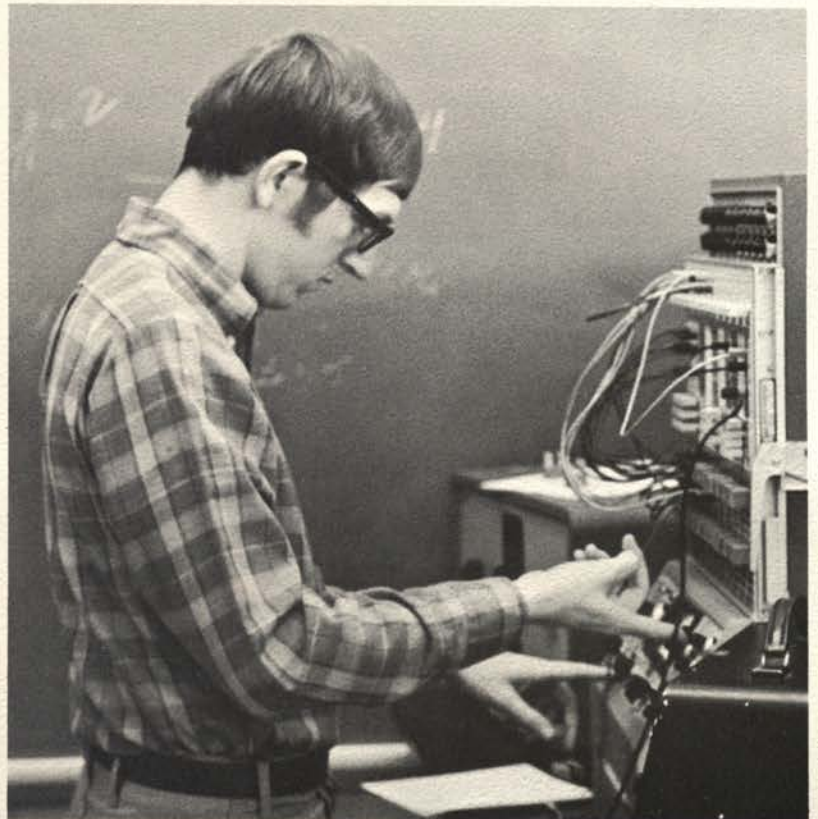
The electrical machinery laboratory gives the students an excellent opportunity to observe practical application of theory.



The electrical machinery laboratory was used extensively to test the high voltage power theory which investigates the transmission of waves and power.



An oscilloscope is used for showing visually the changes in a varying current caused by capacitors and resistors in parallel.



Analog computers were used extensively in the solution of the basic electrical engineering problems involved in research and graduate work.

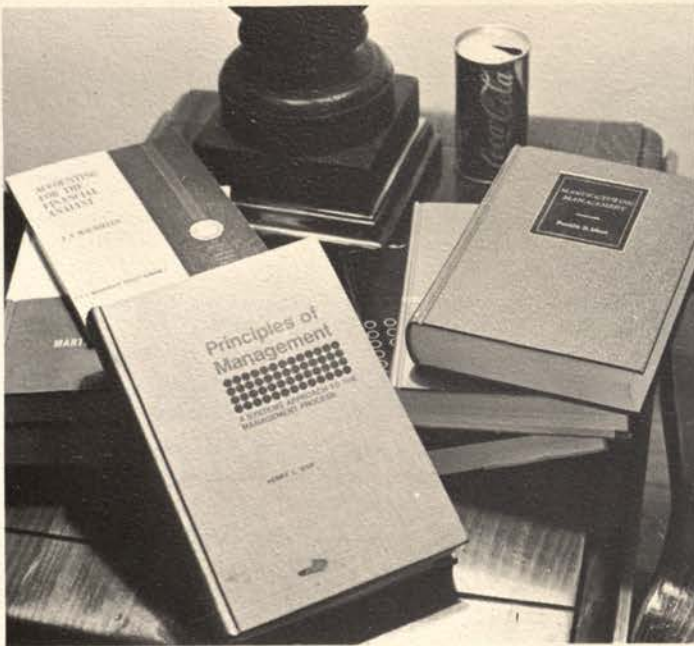


# Engineering Management department moves to

The Engineering Management Department this year moved to Harris Hall. With this move it has increased its curriculum to answer the increasing demand for managers from industry. The Department offered programs which lead to a Bachelor of Science degree in Engineering Management and the Master of Science in Engineering Administration.

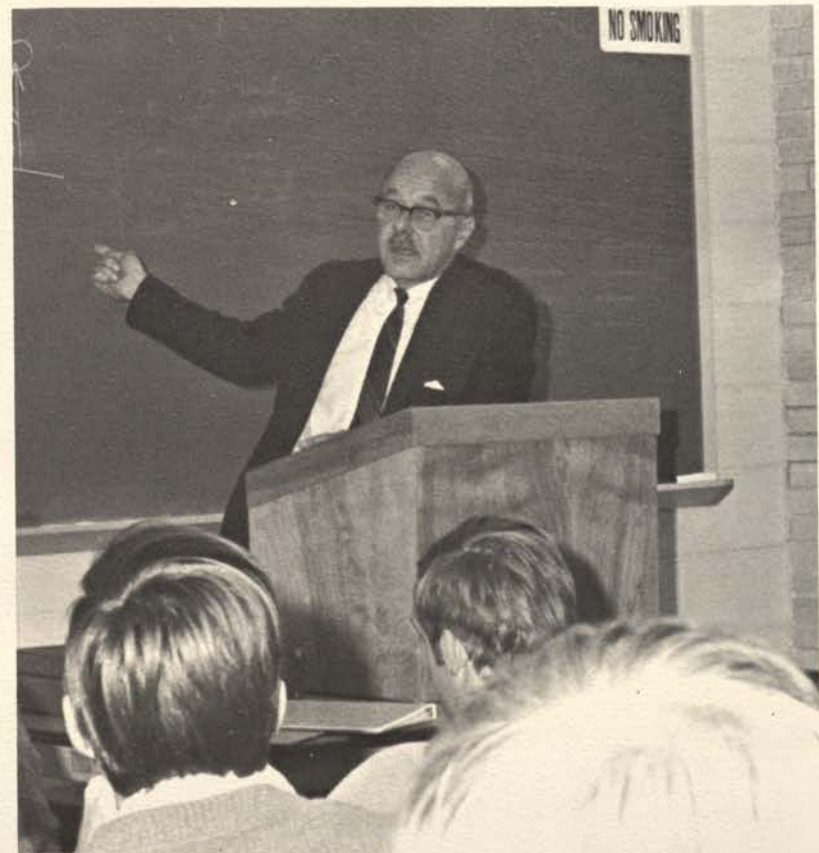
Today as industry is clamoring for more and more technical personnel, the Engineering Management Department answered another quest of industry by producing a man who can organize all of the technical data and come up with a workable solution.

Having received a sound background, a management graduate can apply the rules of production, marketing, and industrial relations.

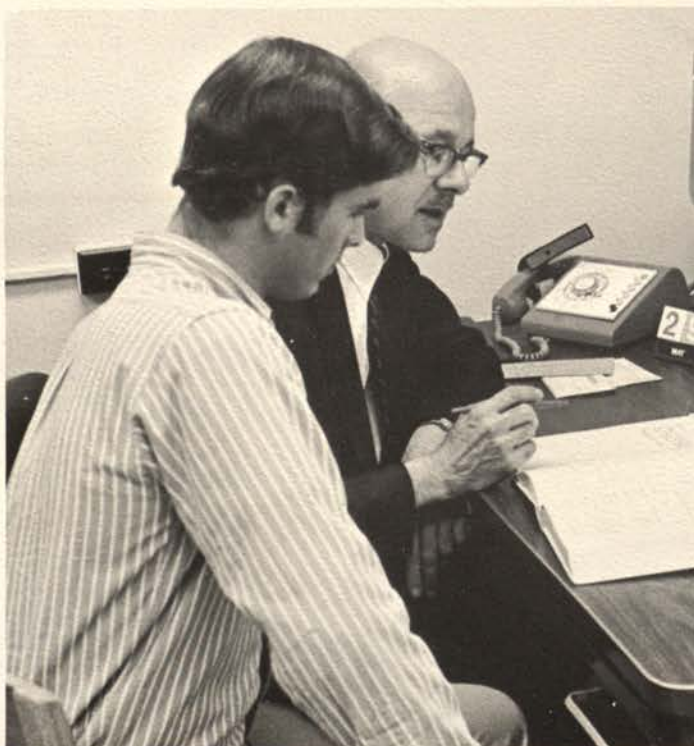


Professor B. Sarchet  
Chairman of the Engineering Management Department

Listening intently to their instructor, these students learn about the many aspects of Engineering Economics, which is required for a degree.

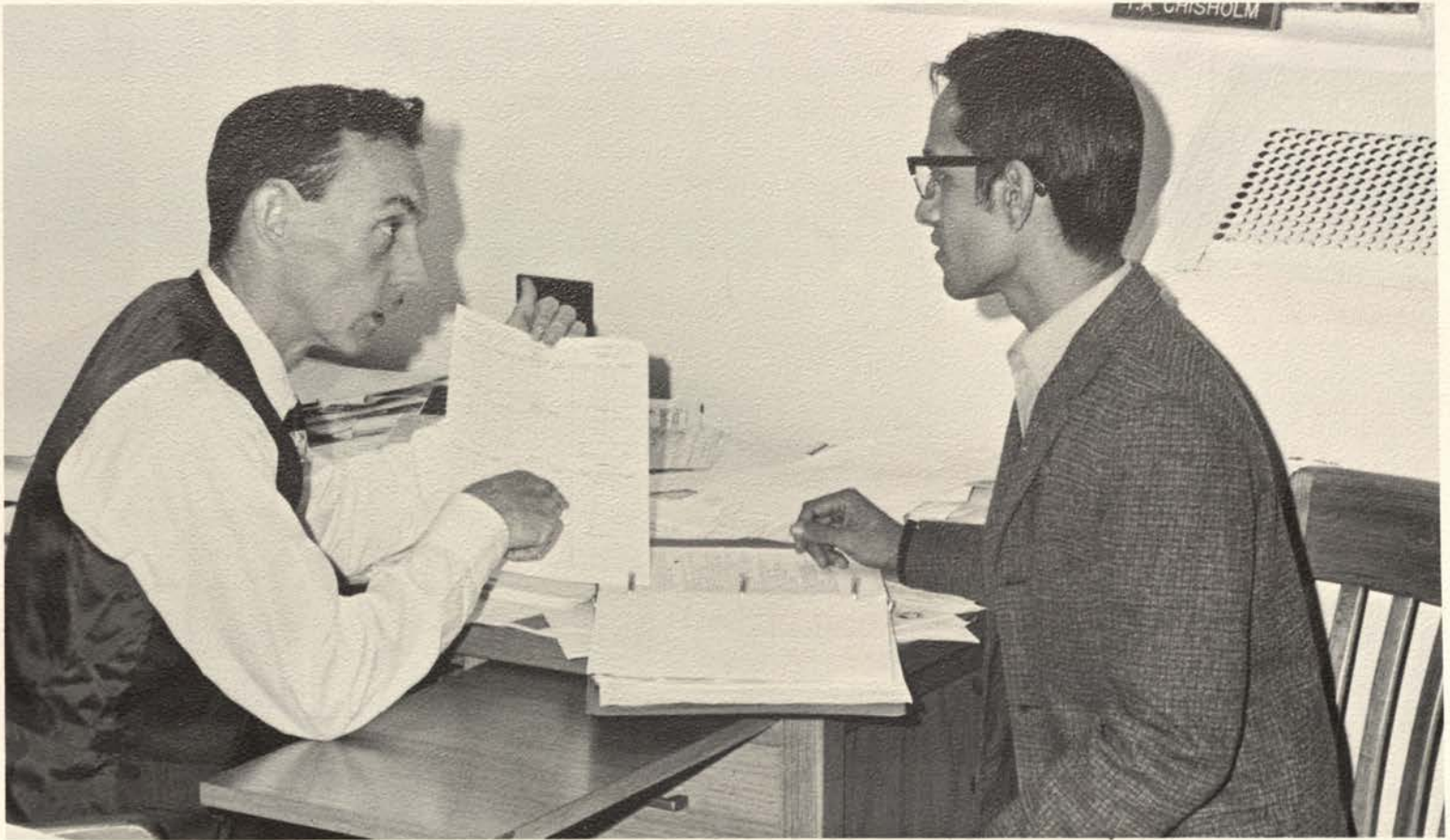


Professor John M. Hilput, one of the advisors in the Engineering Management Department, helps Dennis Miera with a difficult problem he has encountered.

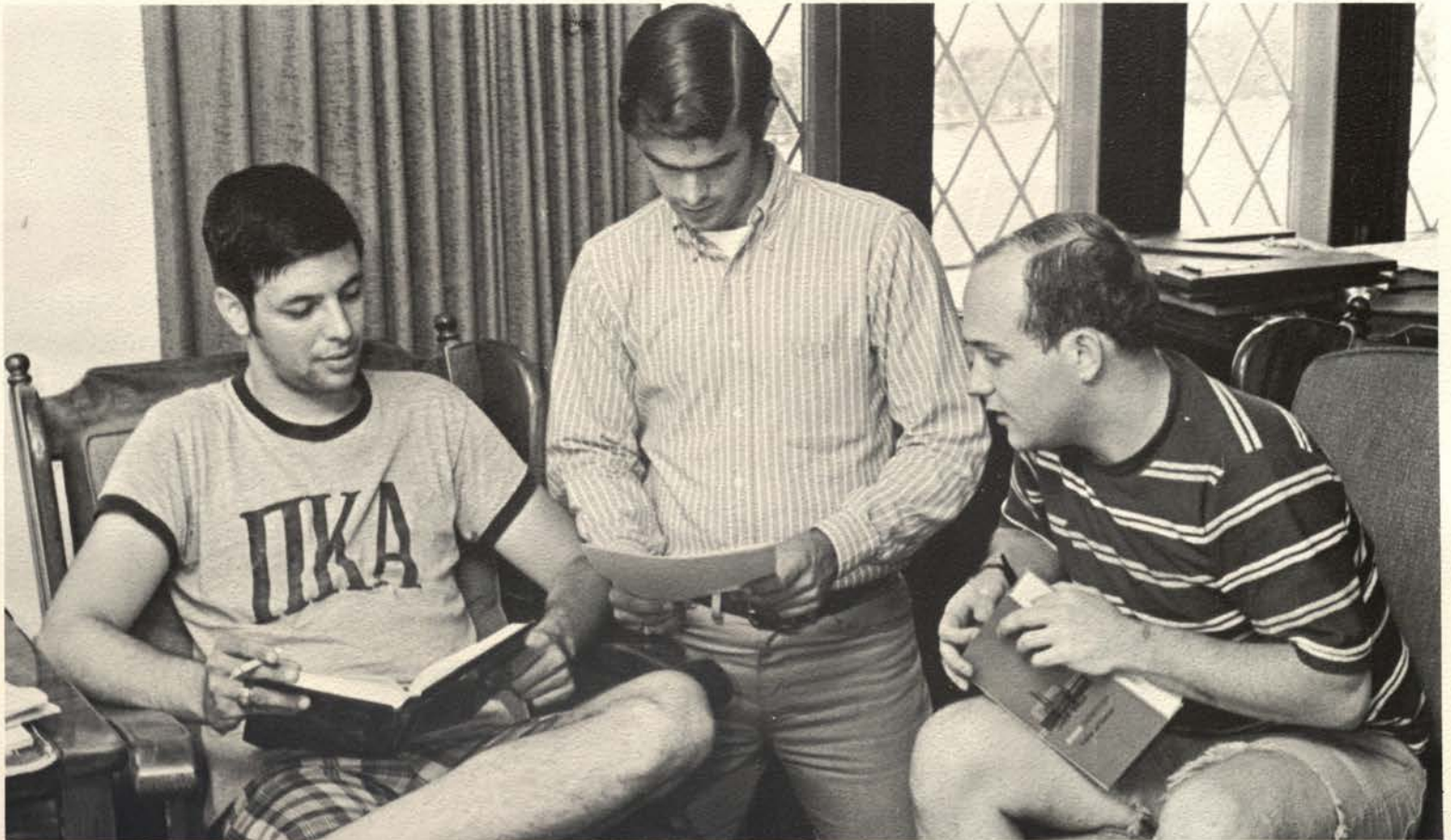




## new quarters in Harris Hall



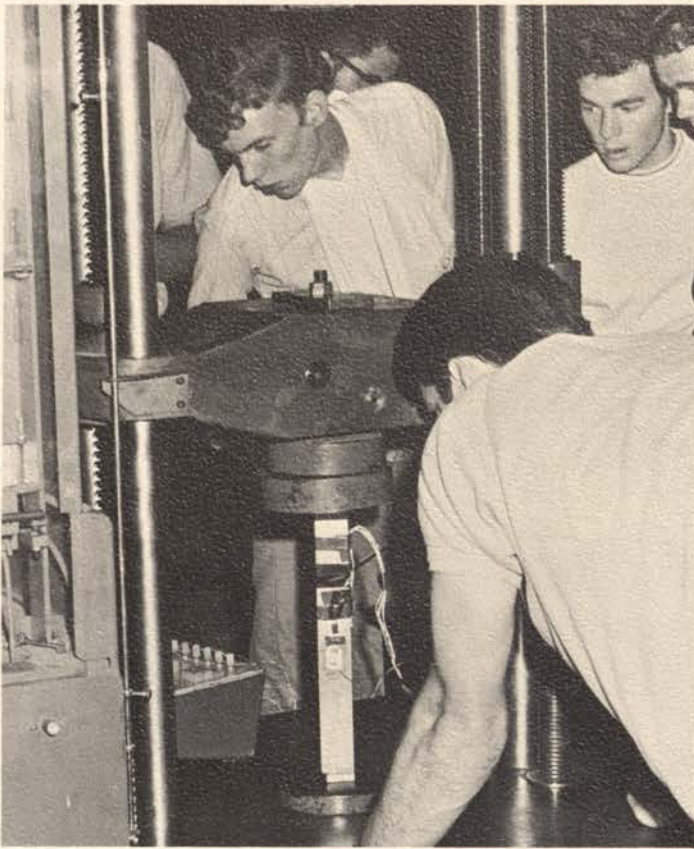
Professor T. A. Chisholm helps a foreign student with one of his many problems encountered in registering for the coming school year.



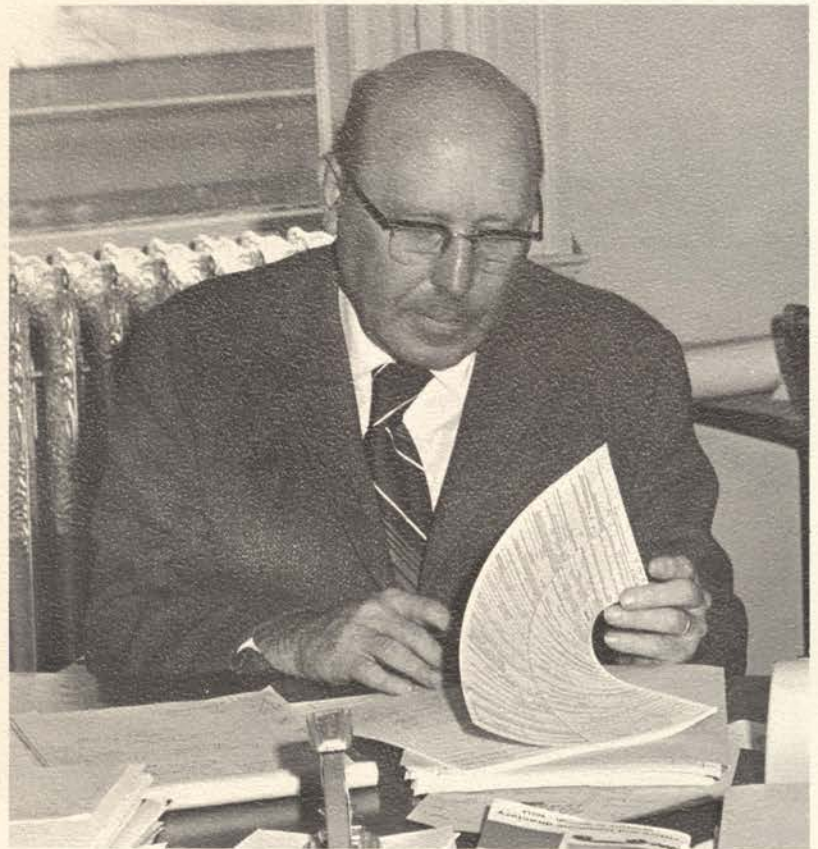
Studying for an Engineering Management examination, Jim Ponciroli, Dennis Miera, and Max Atteberry review the important principles.



# Engineering Mechanics department provides



Using an electric strain machine, these students try to determine the axial and longitudinal stress of a metal bar sample.



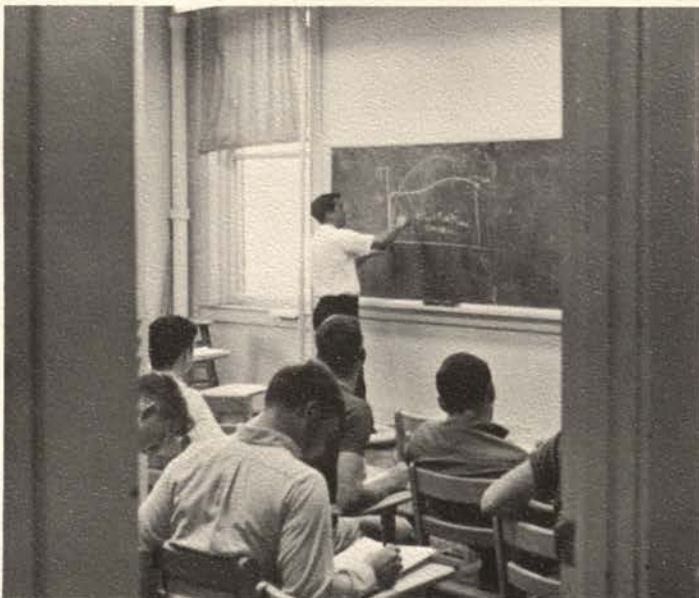
Robert F. Davidson  
Chairman of the Engineering Mechanics Department

The Engineering Mechanics department was designed for the student who wishes to receive comprehensive training in the fundamental principles of engineering rather than specializing in a particular field. The facilities provided ample opportunity for study in areas of vibrations, materials testing, stress, and high pressure mechanics.

In our changing society the Engineering Mechanics department has kept up with the times by adopting new experimental methods of teaching. In addition they have

expanded course offerings to meet the demands of industry. As a result of their evident interest in new ideas, the department has received numerous grants, which have helped to expand their facilities.

We look forward to a growing Engineering Mechanics department, because of expanded course offerings, staff research, and thriving graduate programs, both on the UMR campus and at the St. Louis Extension Center.



Morning classes are essential since the afternoons are usually reserved for experiments in the Engineering Mechanics laboratory.



Helping a student after class, this Engineering Mechanics instructor explains how to draw the shear and moment diagrams of a singly loaded beam.

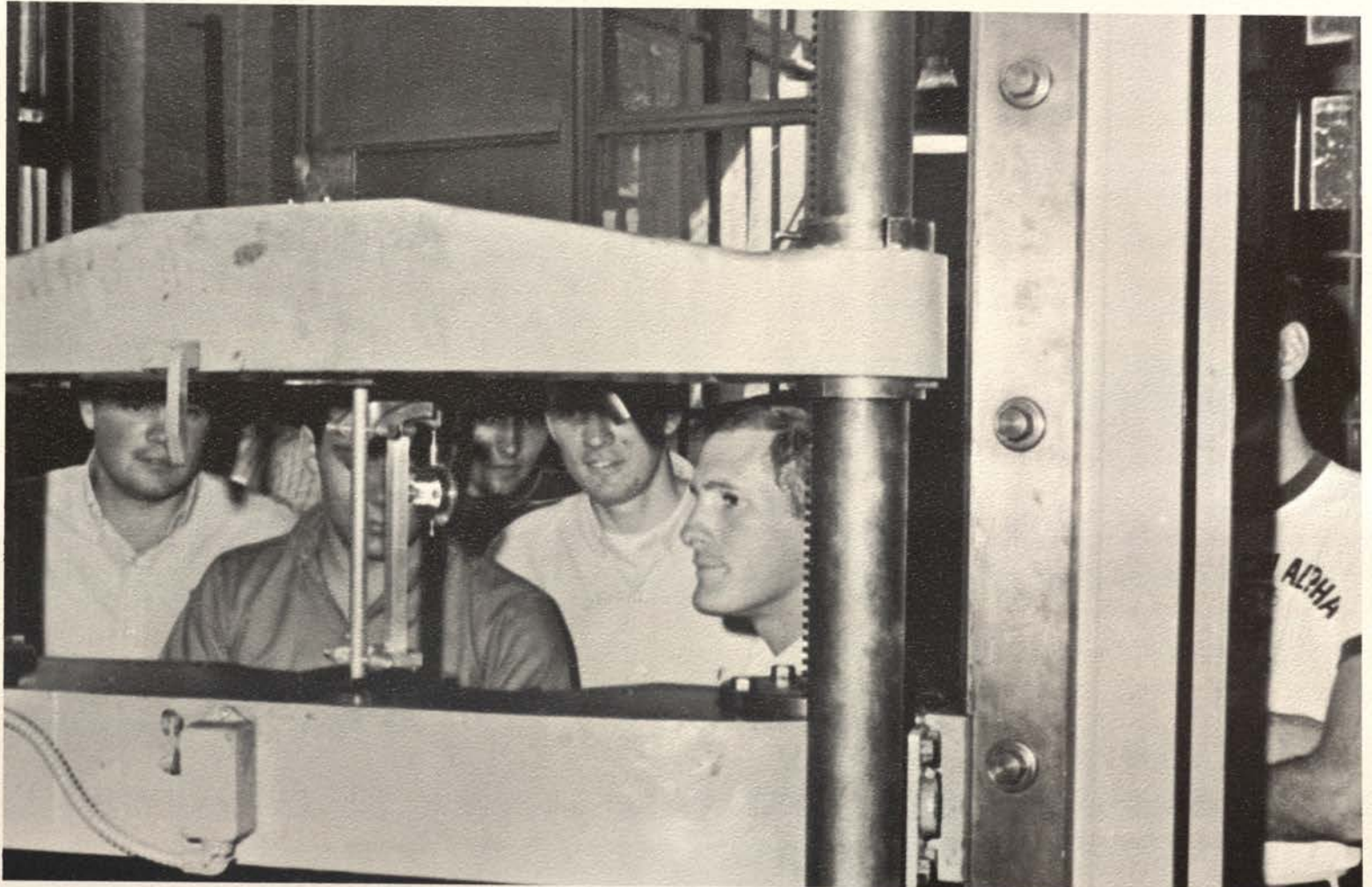


## comprehensive training in fundamental principles



Going over a dynamics quiz, the instructor shows the students the equations needed for the acceleration of a wheel rolling without slipping.

At an afternoon Engineering Mechanics laboratory, the instructor shows the class members how to get accurate strain measurements electrically.





# Geologists study the earth's composition

Mountains, plains and glaciers, oceans and ocean basins, rivers and water under the ground, the valuable ores, minerals and fossil fuels contained in the rock, were all subjects of study in the Geology Department. Geological engineers were trained to work in any engineering project associated with materials and processes of the earth, including the location, design and construction of foundations, excavations, tunnels, dams, and reservoirs.

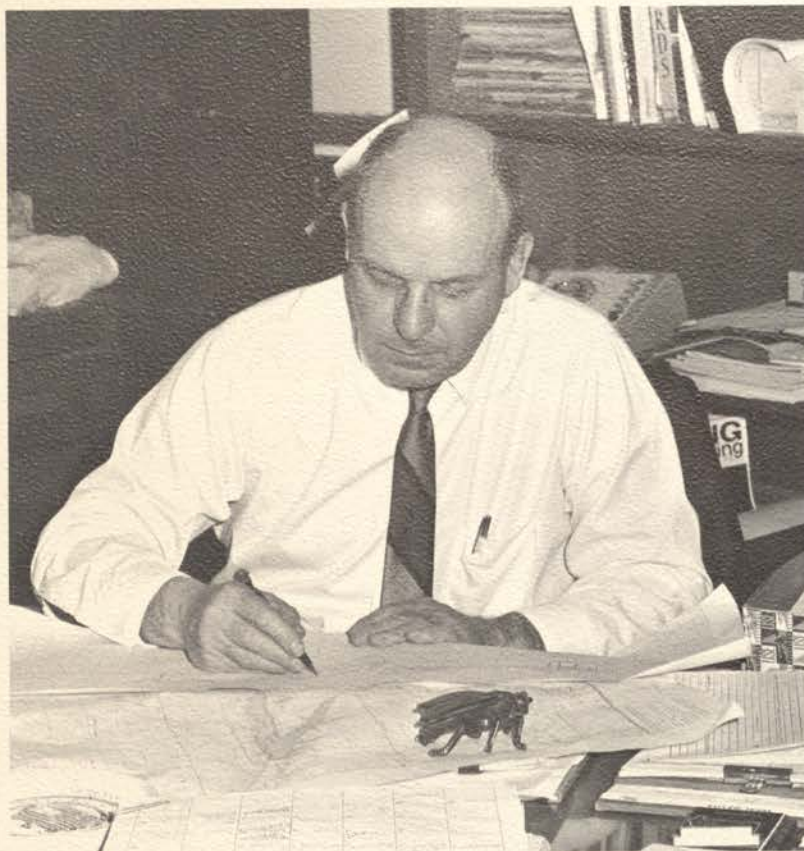
In order that the geological studies may be even better handled at UMR, next year the Geology and Geological Engineering department will become the Geology and Geophysics department, and the Geological Engineering curriculum will become part of the Mining and Petroleum Engineering department.



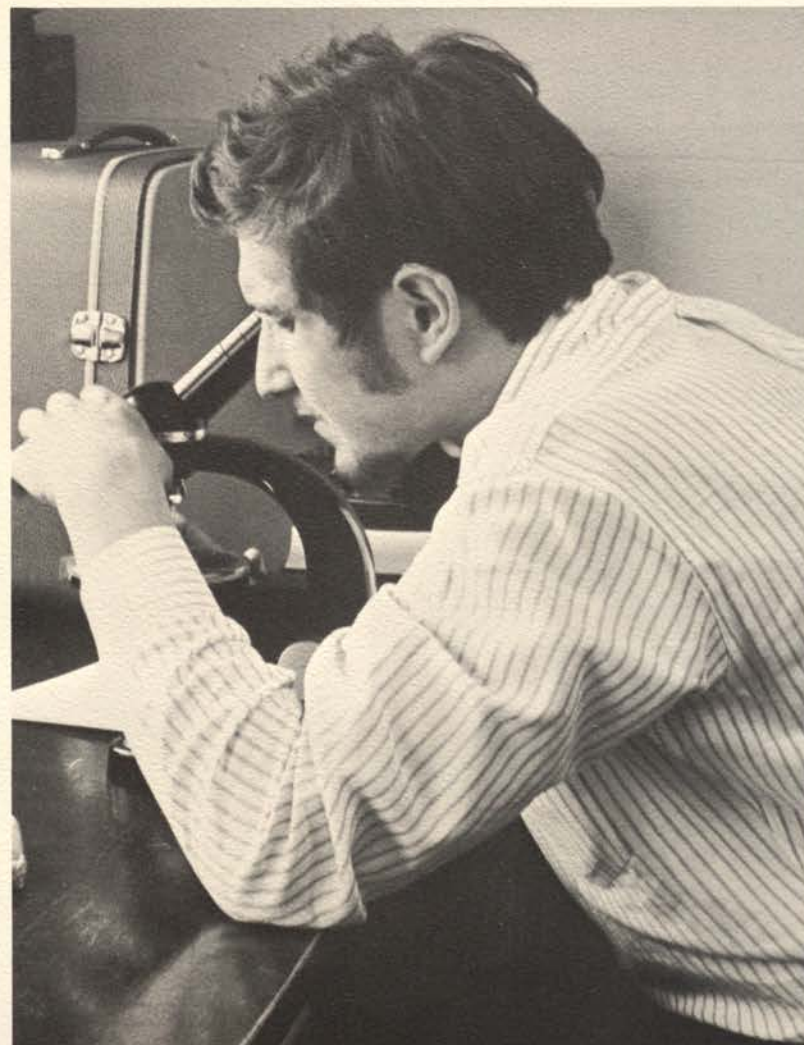
Different varieties of minerals and rocks have been collected over the years to form the Geological rock museum in Norwood Hall.



Nick Tibbs runs the Atomic Absorption Spectrophotometer to determine the properties of a mineral he has just finished decomposing.



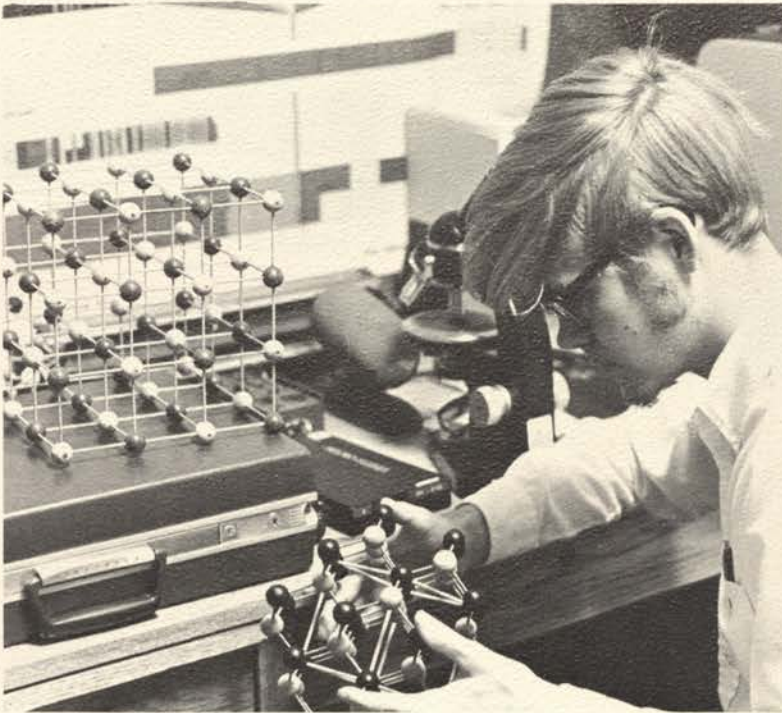
Dr. Thomas R. Beveridge  
Chairman of the Geology Department



Looking through a powerful microscope, this Geology student studies magnified portions of otoliths, the earstones of dead fish from centuries ago.



# Geological Engineering moves to Mining and Petroleum Department



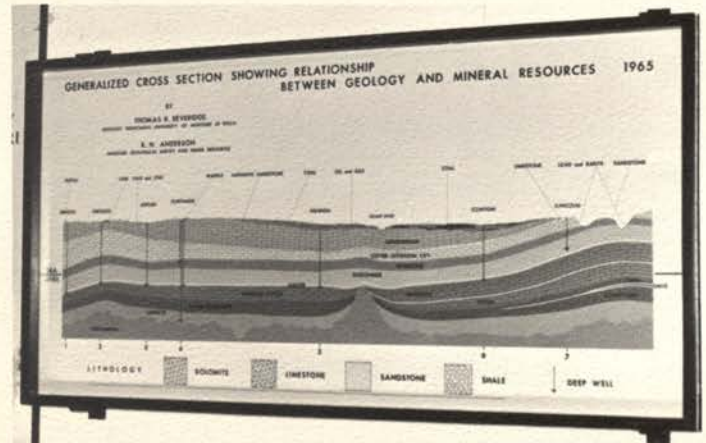
Examining the crystalline structure of a mineral, this undergraduate Geological Engineering student seems puzzled at the lack of a triple bond.



Trying many different strong acids, this student has finally found one that will sufficiently decompose the mineral he's working on.



Studying the results of a seismographical chart, this senior Geology student tries to find a fault in the area surrounding the Rolla campus.



Lithology is one of the most important principles to a Geology student. This picture shows a cross-sectional view of a generalized area.



Showing a fellow student an interesting mineral, Anita Williams conducts a short tour of the museum in Norwood Hall.



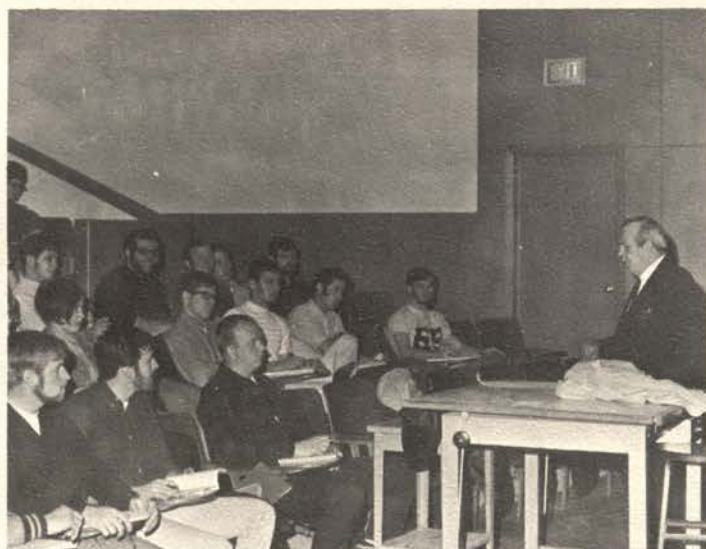
# Old Chem fire exiles Social Sciences

With the destruction of the Old Chemistry Building by fire during the Fall semester, came a time of crisis for the Social Sciences department. The offices of the Social Sciences were housed by the building. After the fire the faculties of the department moved into temporary locations, to await anxiously the completion of the Humanities-Social Sciences Building.

The disciplines offered in Social Sciences provided in-depth study of man's past and present behavior, his ideas and institutions, and his social values. The Department of Social Sciences, therefore, offered elective and required courses which will fulfill its mission of providing areas of study for those who choose scientific or technological professions, and for students who desire an undergraduate degree in Economics, History, or Psychology.



Pending completion of their new building, the Humanities and Social Sciences departments look ahead to moving out of crowded classrooms.



Psychology is one of the most popular Humanities available at Rolla. Many Miners take a Psych course to break the monotony of problem courses.

The Social Science Department holds many open-air discussions during the spring semester to keep the students content in their work.



Dr. Marvin R. Cain  
Chairman of Social Sciences Department

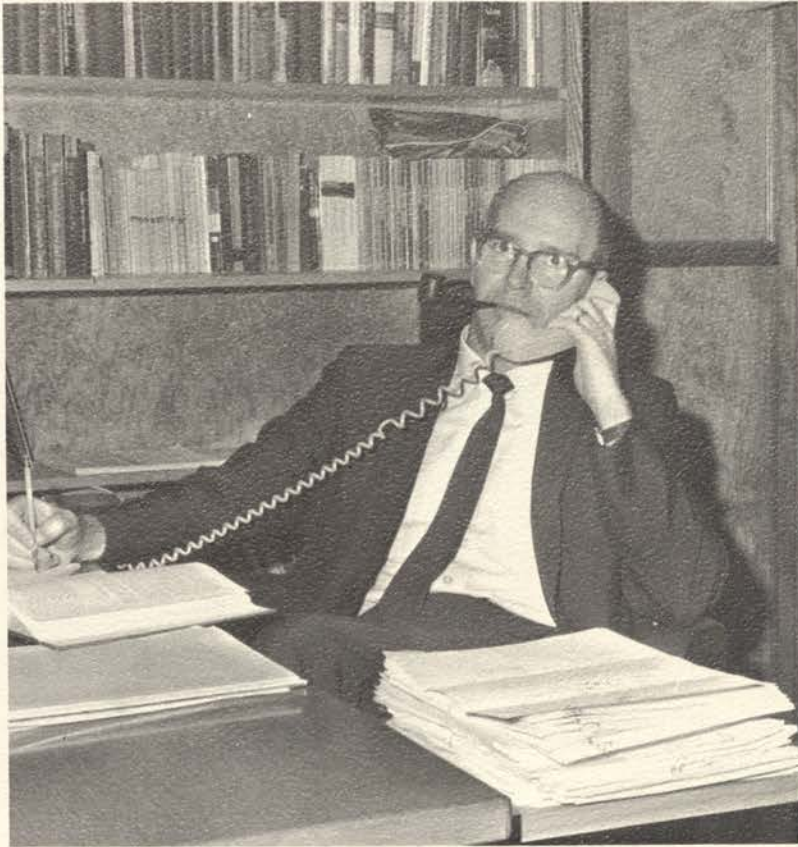


Dr. Cain, chairman of the Social Sciences Department, goes over the schedule of classes he will have to teach in the coming semester.





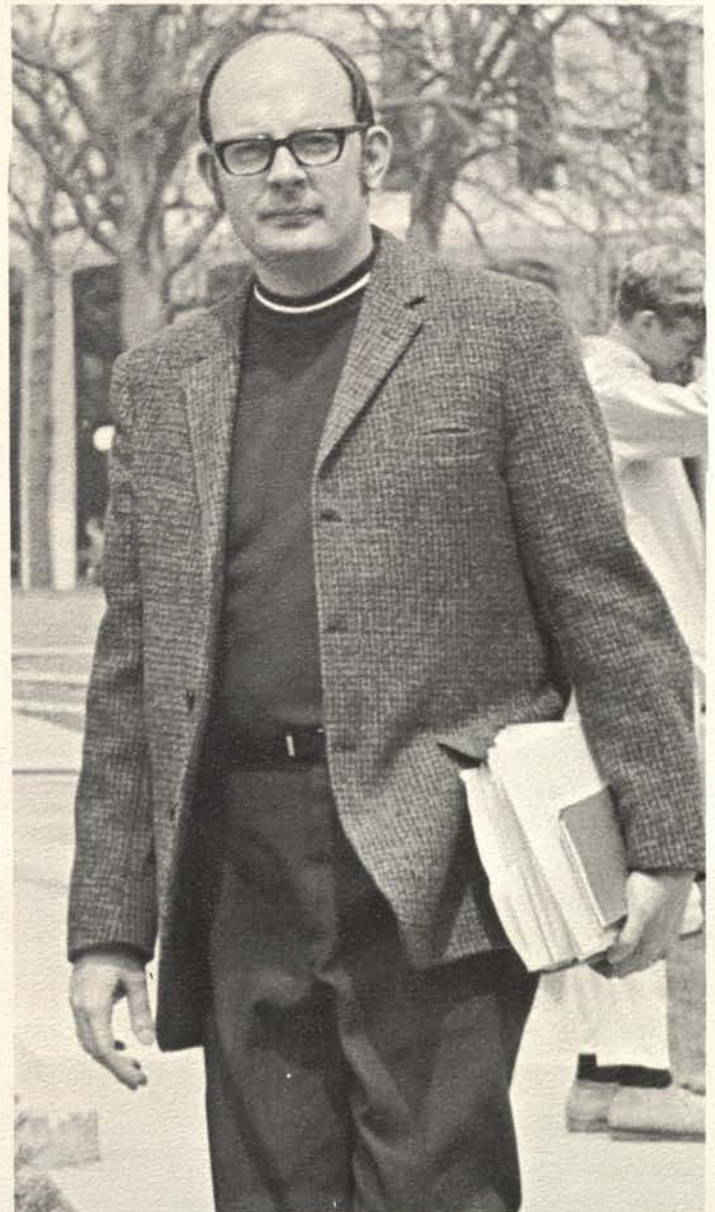
# Humanities expands offerings with additions



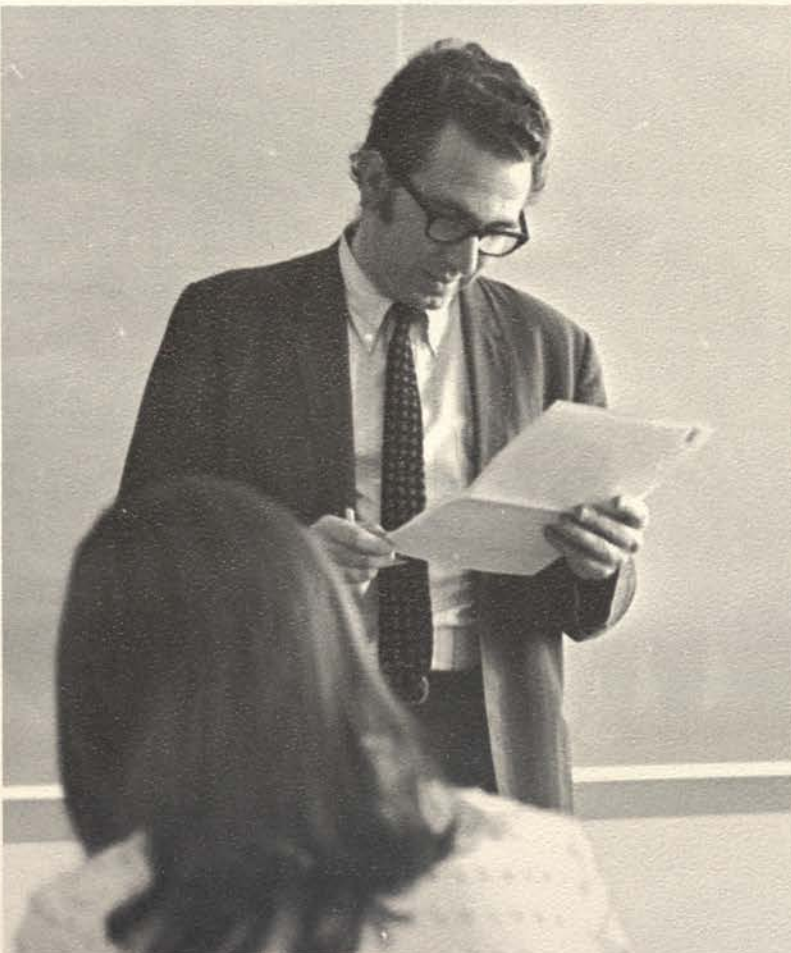
Dr. James Pogue  
Chairman of the Humanities Department

During the 1969-70 academic year, the Department of Humanities continued its development of the past several years with the addition of new courses, new programs, and new faculty. For the first time at UMR, the Department offered courses in Black American literature, sponsored a Language Fair for state high school students, and produced its first course (Speech 85) by closed-circuit television. Special sections of composition and literature courses were designed and made available to the international students. The Department also sponsored a foreign language movie series; and the UMR bands and chorus presented several programs, both on campus and throughout the state.

The number of students enrolled as majors in English and Philosophy continued to increase. Progress on the new Humanities and Social Sciences building was delayed for a considerable time by work stoppages, and the estimated date of completion is now Christmas, 1970. Two faculty members, Professors Bogan and Bobbitt, were chosen as outstanding teachers.



Dr. James Wise, one of the English professors, spends much time and exerts much effort in keeping his students well informed.



Dr. Robert Oakes, Associate Professor of Philosophy, philosophies with one of an ever-increasing number of coeds at UMR.



# Math Department graduates first Ph.D.'s

The 1969-70 school year marked another milestone for the University of Missouri-Rolla Mathematics Department. This year was the first year that the Ph.D degree in Mathematics was awarded by the department.

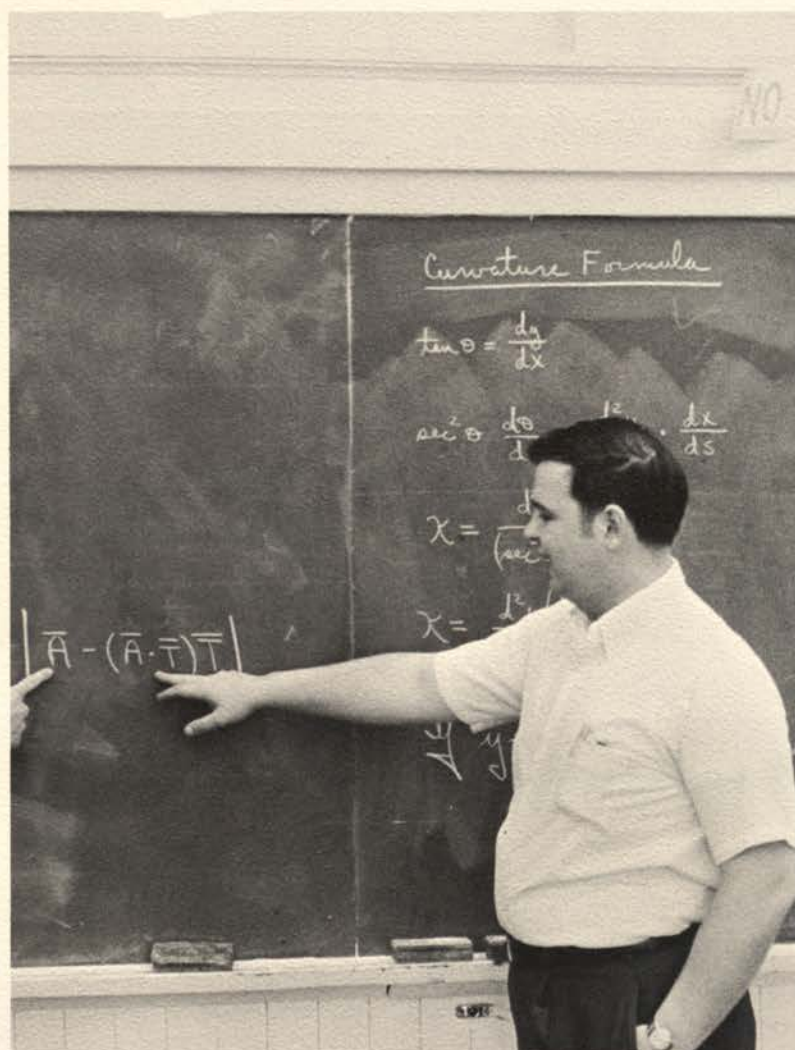
Mathematics provided scientists and engineers with a precise language with which to express their ideas and concepts. The Department of Mathematics provided a wide spectrum of offerings in mathematics, emphasizing several areas in the Bachelor of Science program: analysis, statistics, applied mathematics, Algebra, and others. Emphasizing the fact that mathematics consists of more than computers, the department offered two distinct majors for undergraduates and graduates in pure and applied math.



Harris Hall, home of the Math department, also houses the Computer Science Center on the ground floor of the building.



Dr. Glen Haddock  
Chairman of the Mathematics Department



H. K. Edwards explains how to calculate normal and tangential components of acceleration by vectors to his sophomore mathematics students.



# Computer Science elevated to Department status

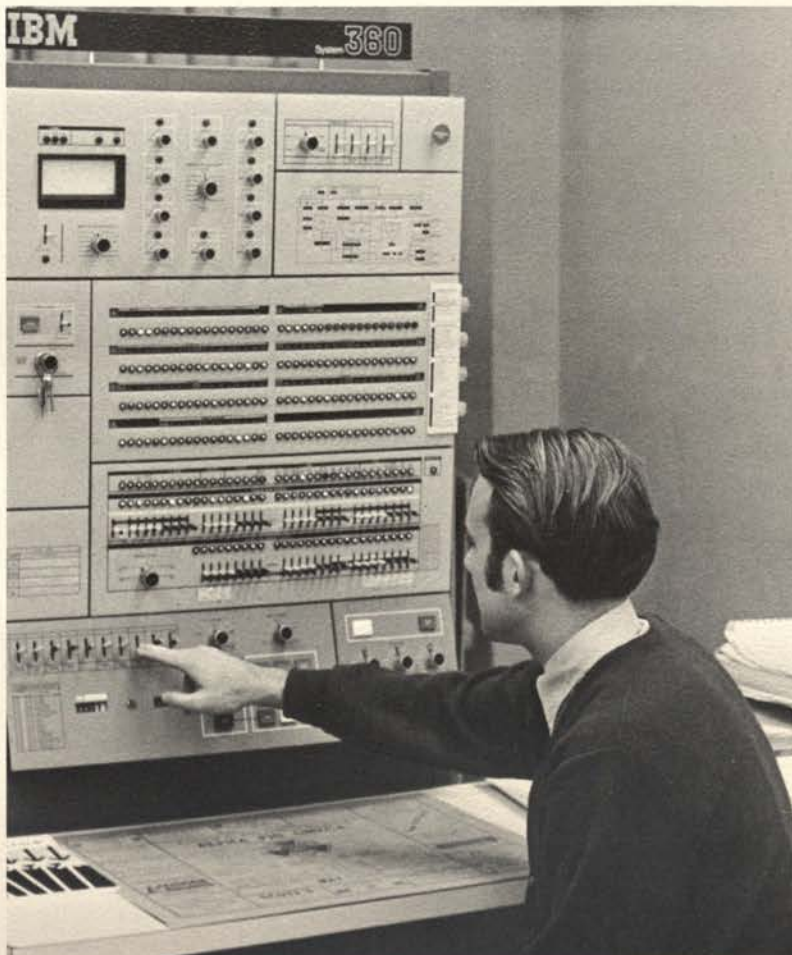


Professor Billy E. Gilloth  
Chairman of the Computer Science Department

The University of Missouri - Rolla has answered the call of research and business operations by expanding the computer science segment into a department located in the basement of the mathematics building, Harris Hall, and by offering study leading to the Bachelor of Science and Master of Science degrees. Students enrolled in computer science had access to a coding and programming room, making it possible to prepare and correct programs near the computers. For the benefit of students and faculty, a library of programs was also maintained. The staff of the computer science center was available to assist in the preparation of programs, the operation of the computers, and card-tabulating equipment, and also instructed students in the computer science courses offered at UMR.



To the dismay of many students, the long hours they have spent writing a program seems to be wasted when it has an error.



At a control panel of an IBM 360 central processing unit, a computer technician is ready for any malfunction in the machinery operation.



Linda Marston, one of the student assistants in the Computer Science Center, sorts programs to be distributed to the students.



# Mechanical and Aerospace Engineering formally

The Department of Mechanical and Aerospace Engineering was the largest department on the UMR campus, enrolling more than 1000 students, and it was at the peak of a period of growth and development.

This year new facilities were formally dedicated which promise to give both the M.E. and A.E. programs more depth and practical background than ever before. The Mechanical Engineering Annex provided classroom and laboratory space for undergraduate and graduate research and instruction. The Mach 4 supersonic wind tunnel was located in the gas dynamics laboratory and used for instruction and research. In addition to the supersonic test facility, a compressible flow laboratory housed a relatively large 300 mph subsonic wind tunnel and a shock tube capable of Mach numbers greater than 20. These facilities were used for both undergraduate and graduate programs. The new facilities are an indication of the continual improvements to the instructional program in the Mechanical Engineering Department.

When using any new materials, the bursting strength of the material to be used must be thoroughly tested in the laboratory.



A vertical milling machine is one of the basic pieces of machinery needed for a full operation machine shop in the laboratory.

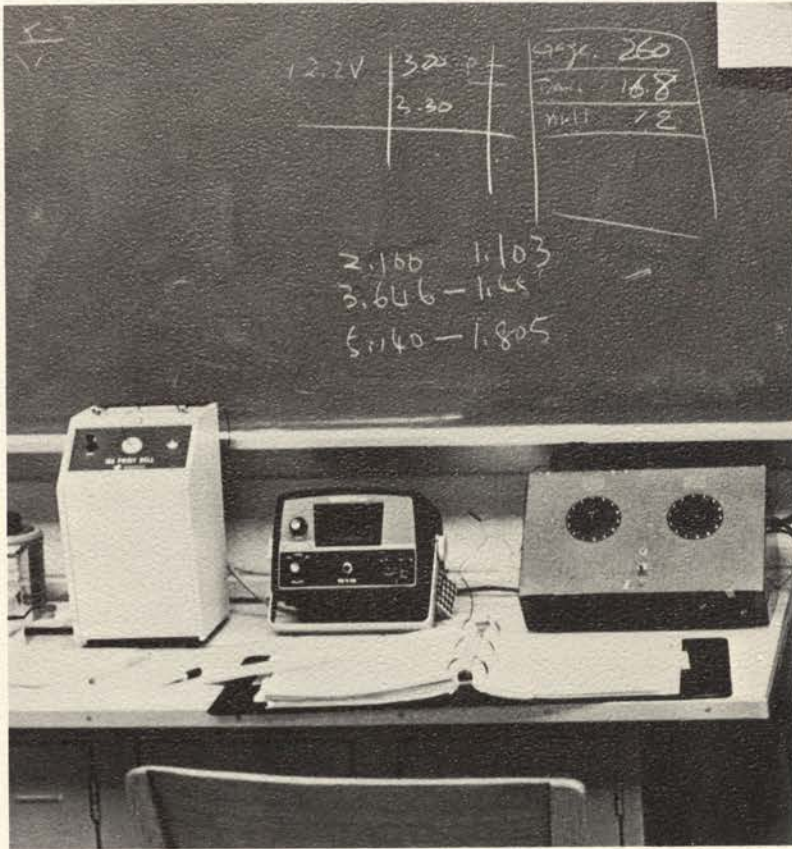


Dr. Thomas R. Faucett  
Chairman of the M.E. and A.E. Departments

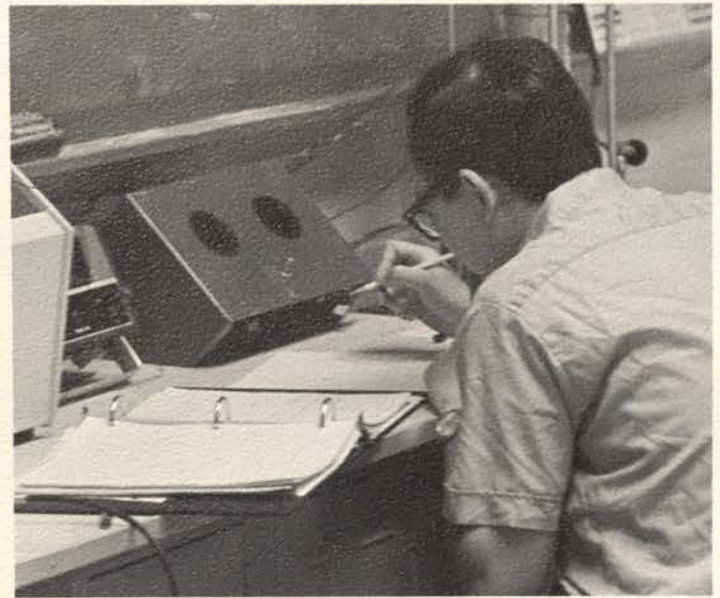




# dedicate new facilities



Graduate work in the Mechanical Engineering department is done extensively to keep abreast with everyday changes in this field of engineering.



After many long hours of testing new materials, this graduate student finally finds time to sit down and calculate the results.

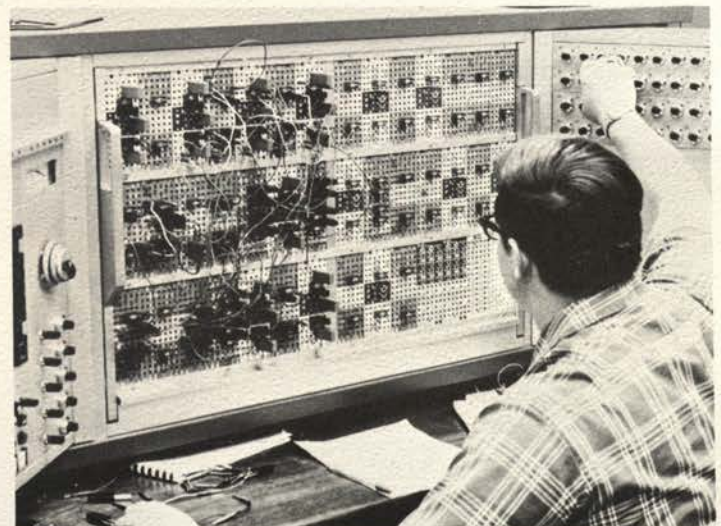


Polaroid cameras were an essential part of oscilloscope experiments to record the patterns produced by different settings on the machines.



With great precision and skill the lathe can be used for many operations needed to completely shape and finish a piece of metal.

Pace Analog Computers were extensively used in the Mechanical and Aerospace Engineering departments for analysis of experiments.



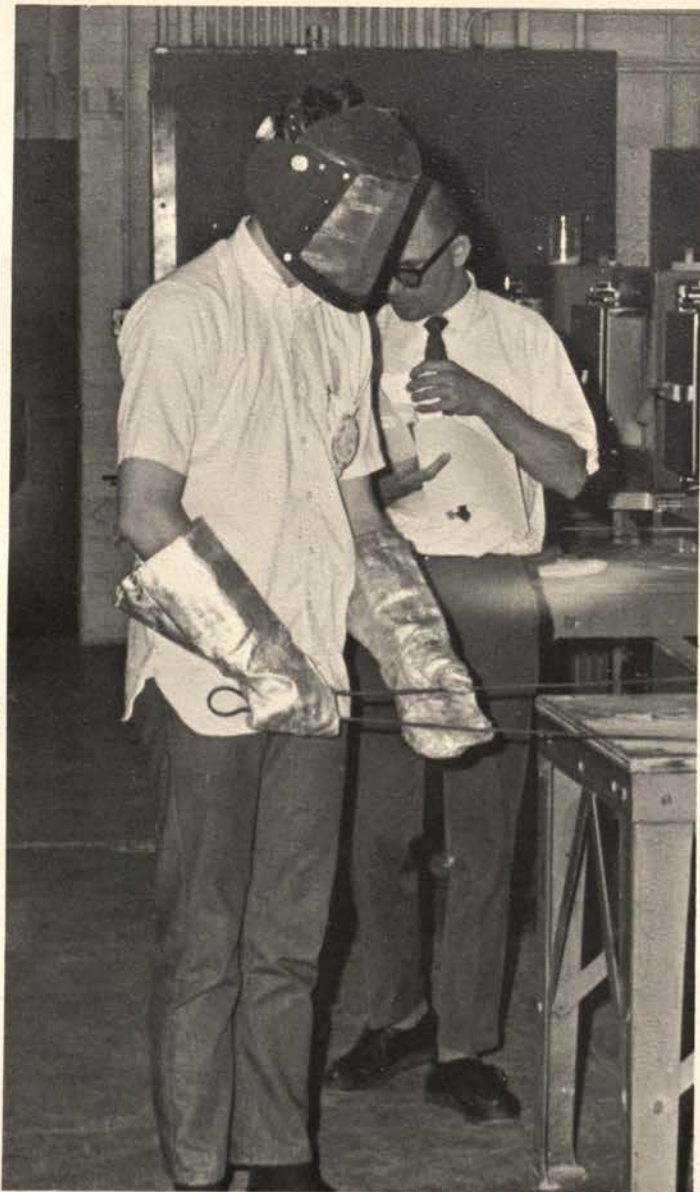


# Met and Nuclear Engineering Strengthen Programs

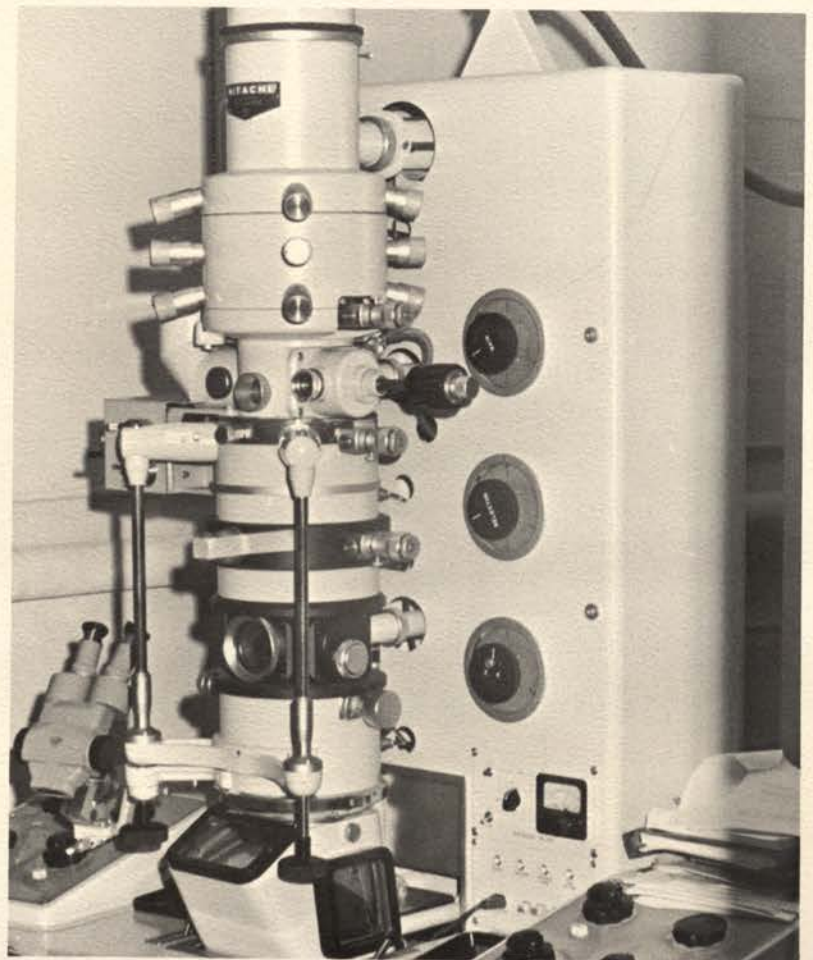
Renewal was the keynote of Metallurgical Engineering activities in 1969-70. Although reduced to 132 hours, the curriculum acquired added flexibility, and several new elective courses extended opportunities further. Two new faculty members were successfully recruited to rebuild the Department's efforts in mineral processing and to strengthen its capabilities in metals casting. The cooperative M.S. program produced its first graduate. The Department moved up another notch in the University's building priority list, and began planning its new space, while continuing to make the most of its present building with some remodeling and several new pieces of major equipment.

The Nuclear Engineering Program at UMR is a part of the Met. Department for administrative purposes. However, it has its own separate faculty, curriculum, and degree. In addition to general background, special emphasis is given to the materials aspect of nuclear engineering. The chief piece of laboratory equipment used by the nuclear engineering student is UMR's nuclear reactor, which was the first reactor in the state of Missouri.

The basic purpose in the use of the electron microscope is to help study the physical and chemical structures of different metals.



Dr. Harry W. Weart  
Chairman of the Department of Metallurgical and Nuclear Engineering



A well-protected student is testing the phase relations of a molten metal after the metal has been removed from an electron heating furnace.



Attempting to remove a crucible from an electrical furnace, this student is anxious to find out the results of the new alloy he just heat treated.



Reading the scale of the Metallurgical department's ultrasensitive balance, this student finds the densities of two metals by incorporating volume relationships.



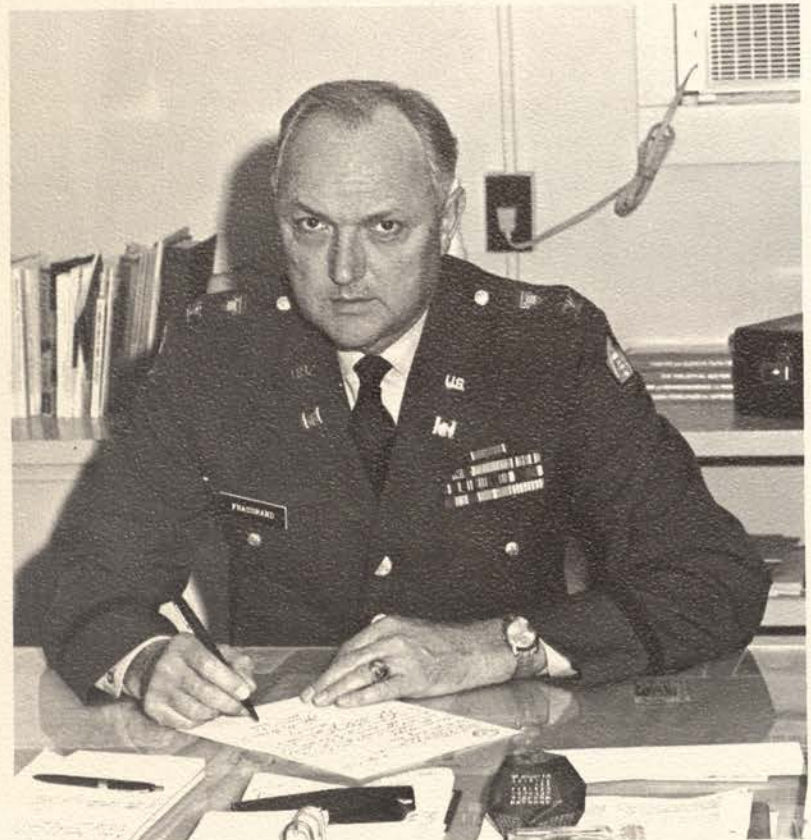


# ROTC grows noticeably in past year

During the 150th anniversary of ROTC many college students across the nation expressed their dissenting opinions by harassing ROTC cadets and even by burning ROTC buildings. This was not the case at U.M.R. where, despite a decrease of ROTC enrollment at other universities, an increase of incoming freshmen joined the Army ROTC program. This could perhaps be attributed to our outstanding ROTC program which produced leaders such as 1st Lt. Michael S. Clayton, the Hughes ROTC trophy winner in 1969. Other awards, such as the Pershing Rifle Team's 3rd place finish out of twenty-eight competitors in a nationwide match have demonstrated the capabilities of ROTC to develop leaders in our society. This year 100 cadets were commissioned as second lieutenant in the U.S. Army.



Running the troops through a mock review, Colonel Frassrand makes sure that his cadets will be ready for the spring review.



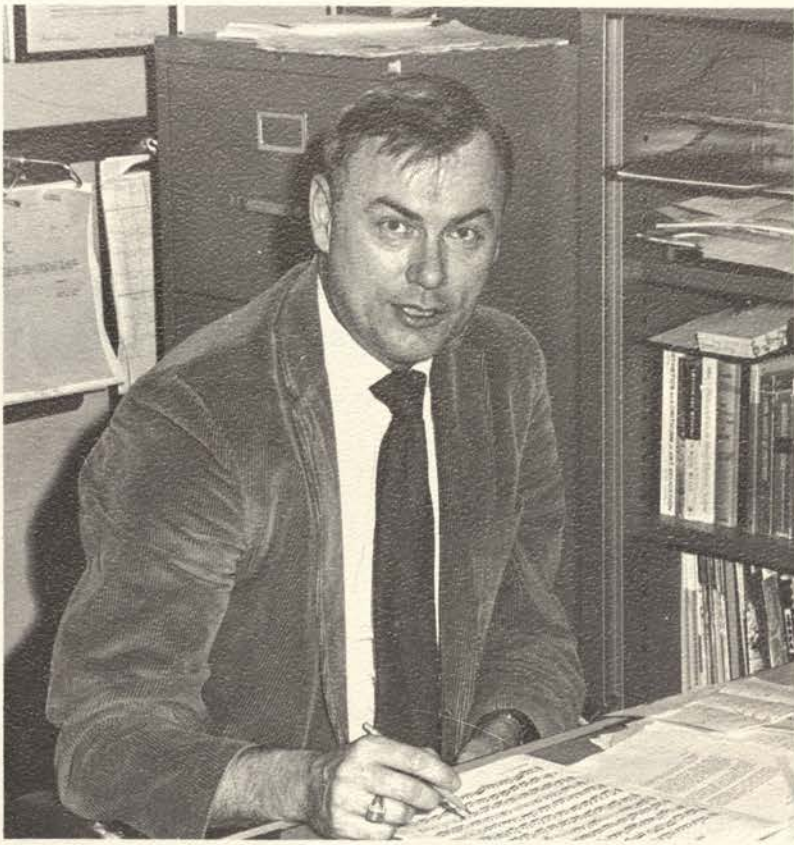
Colonel John M. Frassrand  
Professor of Military Science

While inspecting his troops, this cadet reprimands one of his men for failing to polish his brass the night before.



Practicing basic drill routines, these army cadets look forward to the time when they will have the chance to defend their country's honor and glory.





David Oakley  
Assistant Professor of Music

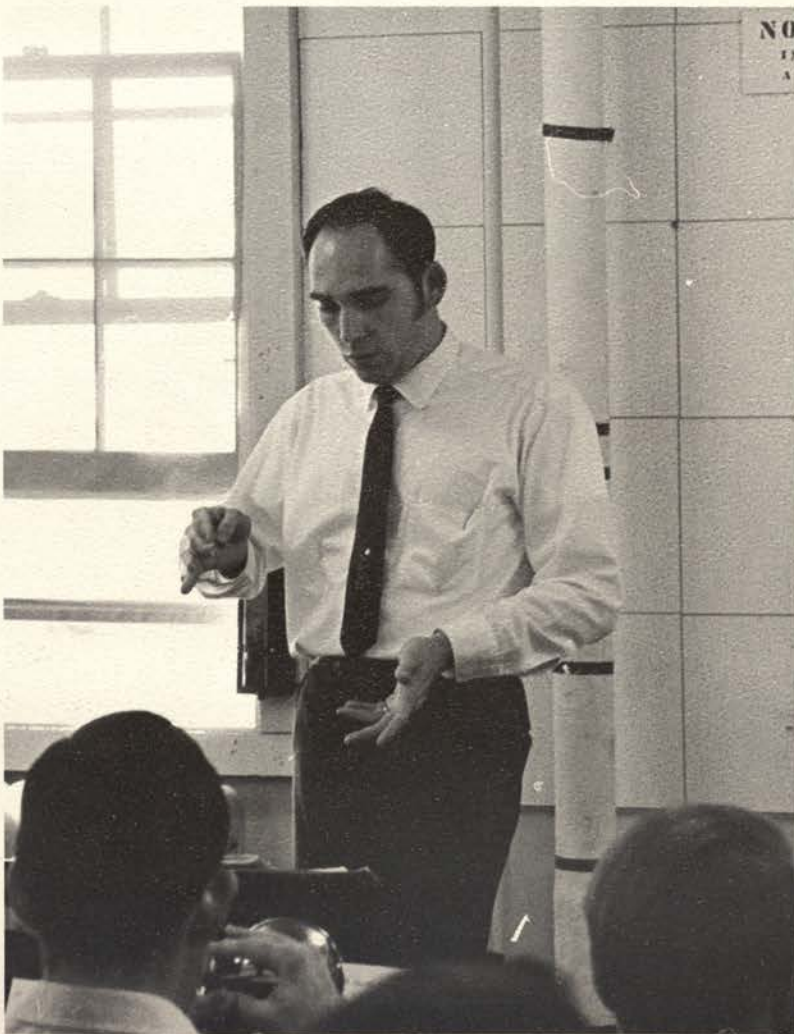
## Music Department provides entertainment

The music department at U.M.R. this year consisted of a marching band, a dance band, two concert bands, and a pep band. The activities of the marching band included a trip to Kirksville for a football game, and the opening of the St. Louis Zoo. The eighteen-man concert band played for many high schools in the Rolla area and in St. Louis. The pep band entertained at all home basketball games and, for the second time in three years, won first in the non-float division of the St. Pat's parade. A vocal group was rebuilt with attempts being made to sponsor a mixed chorus and a men's vocal ensemble.

Awards won by the music department this year were the twelfth man spirit award, given for best support at a U.M.R. football game, and the award for the best chapter of Kappa Kappa Psi in the southwest district.

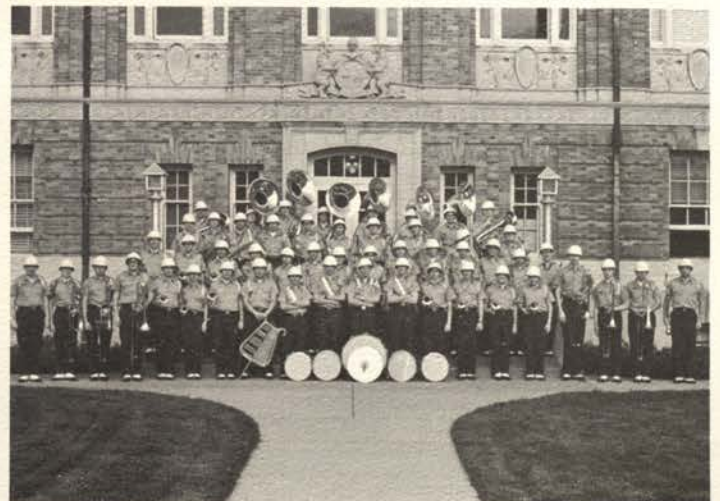


The Men's Choir performs with the concert band on numerous trips they have made to other campuses to spread their fame.



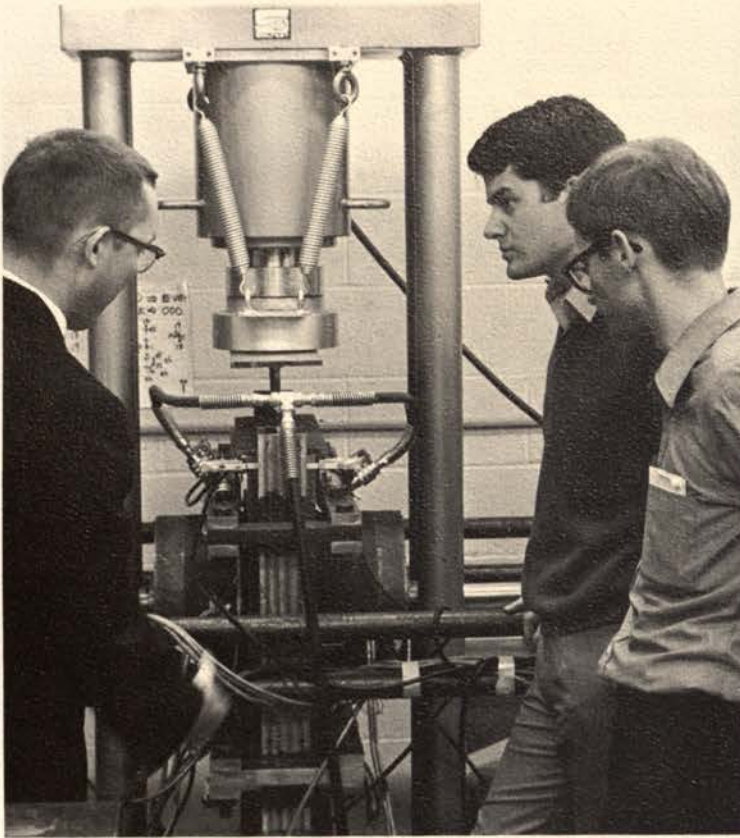
Directing the concert band in a fast number, Joel Kramme attempts to picture how the band would sound in a room with a better acoustical system.

The UMR Military Band is composed of members of the concert band and other bands, like the Wind Orchestra, Pep Band, and the Drifters.

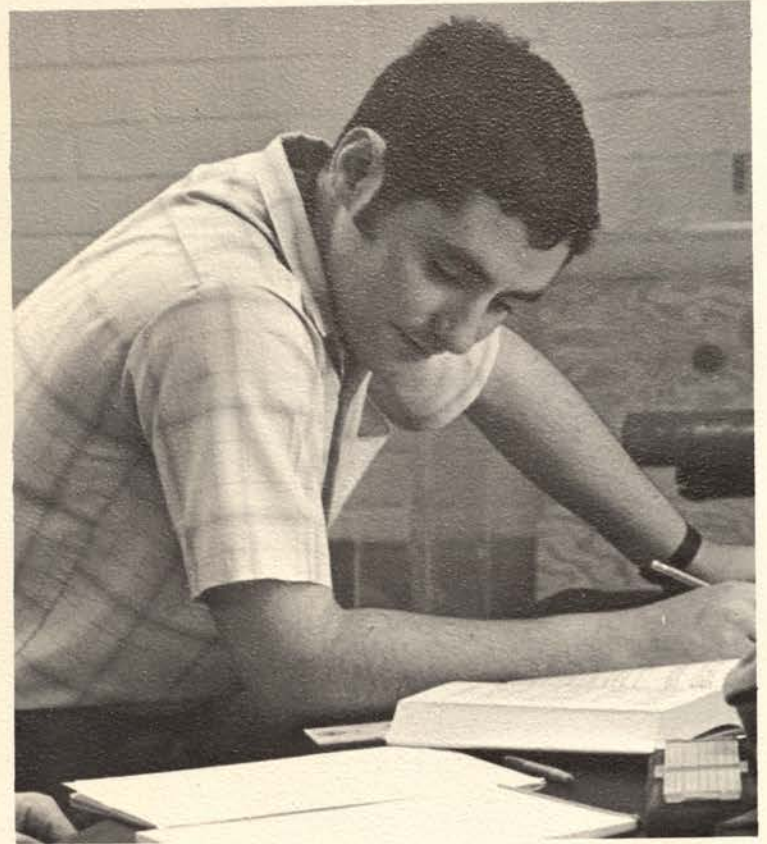




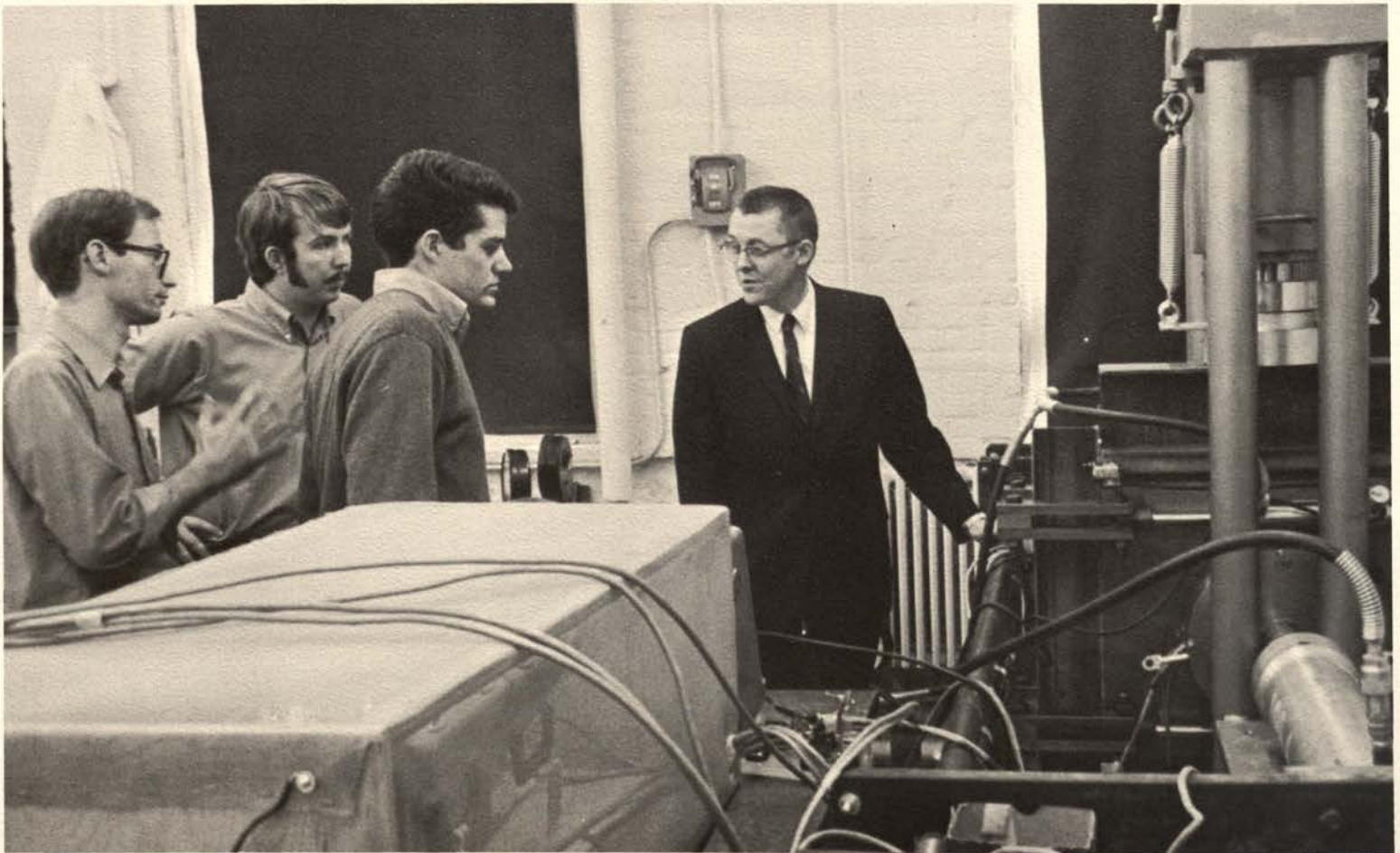
# Mining and Petroleum Departments provide practical



All mining engineers receive much practical experience in the Rock Mechanics lab where the mechanical stress machine is located.



In the Petroleum department's laboratory students strive to finish the last calculations needed to complete their experimental data.

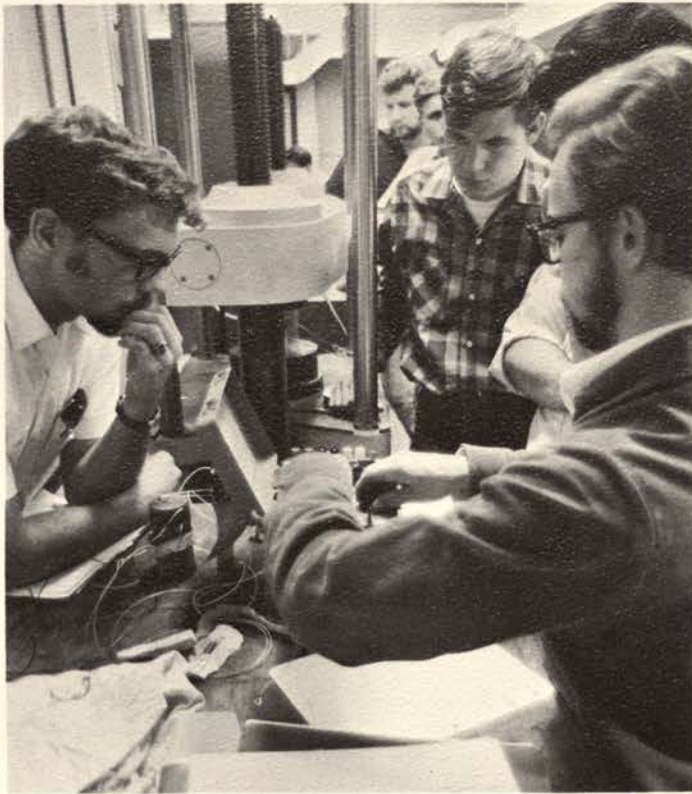


The mechanical stress machine is being explained by this mining professor to his students so that one day they can experiment on their own.

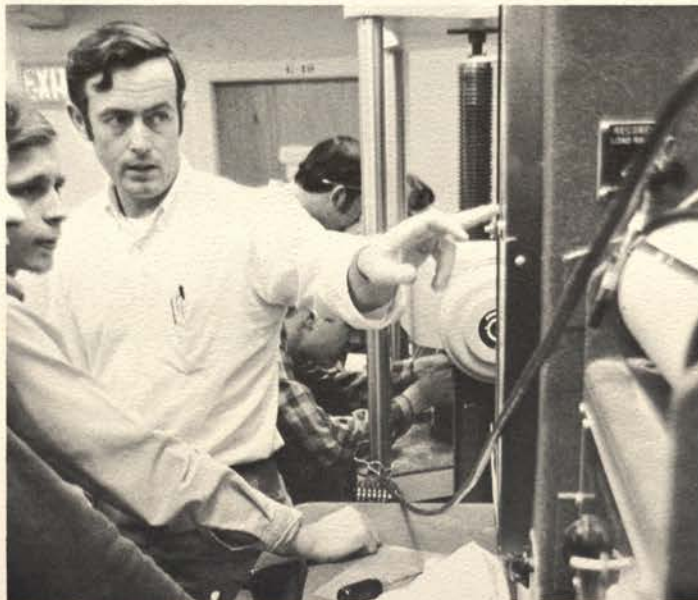


# experience for students enrolled

Activities of the Mining and Petroleum Engineering Departments at UMR during the year consisted of field trips to study different mining and milling operations. These trips of mining students included one to Hot Springs, Arkansas, where the vanadium operations of Union Carbide were studied. When returning from the trip, the students stopped at Bauxite, Arkansas, and observed the aluminum refining system located there. An excursion was taken by petroleum engineering students to the offshore drilling in the Gulf of Mexico. Here new methods of tapping oil from beneath the ocean floor were studied.



Taking in all of the instructor's words of wisdom, a small group of students learn about the use of the Fann viscometer.



As his students listen, this professor is explaining the works of the delicate seismograph used to record earth tremors.



Dr. James J. Scott  
Chairman of the Department of Mining and Petroleum Engineering



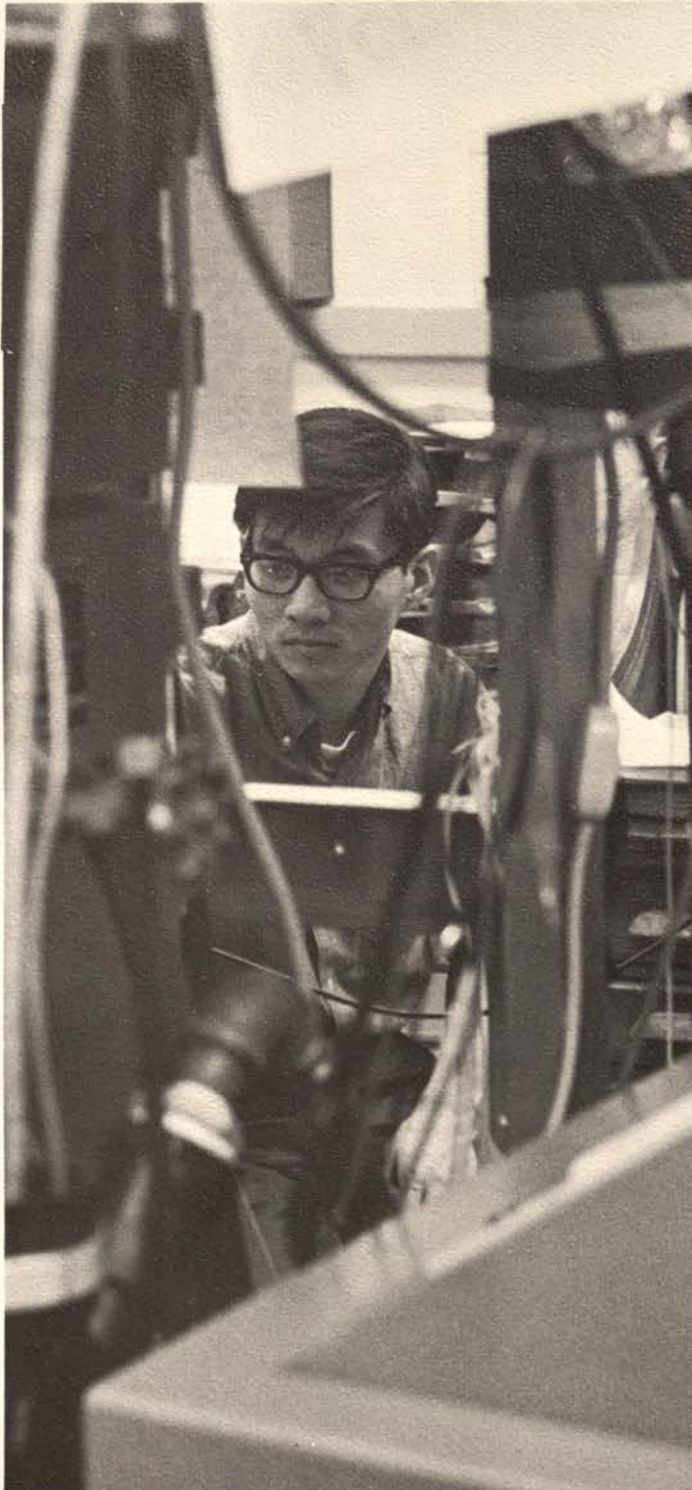
After an experiment on a high-pressure drill bit, two students pause to compute the angles at which the bit was set as compared to known values.



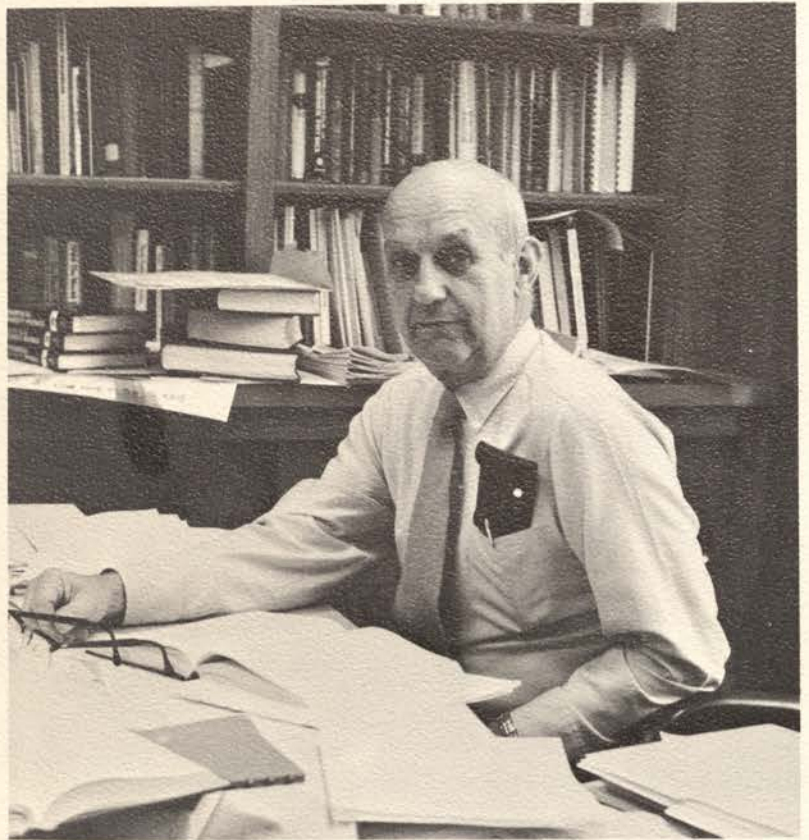
# Physics Department ranks high

In the physic department, a program of undergraduate research was developed to give undergraduates practical experience in research. These research projects were financed during the school year by the university, and during the summer by the National Science Foundation.

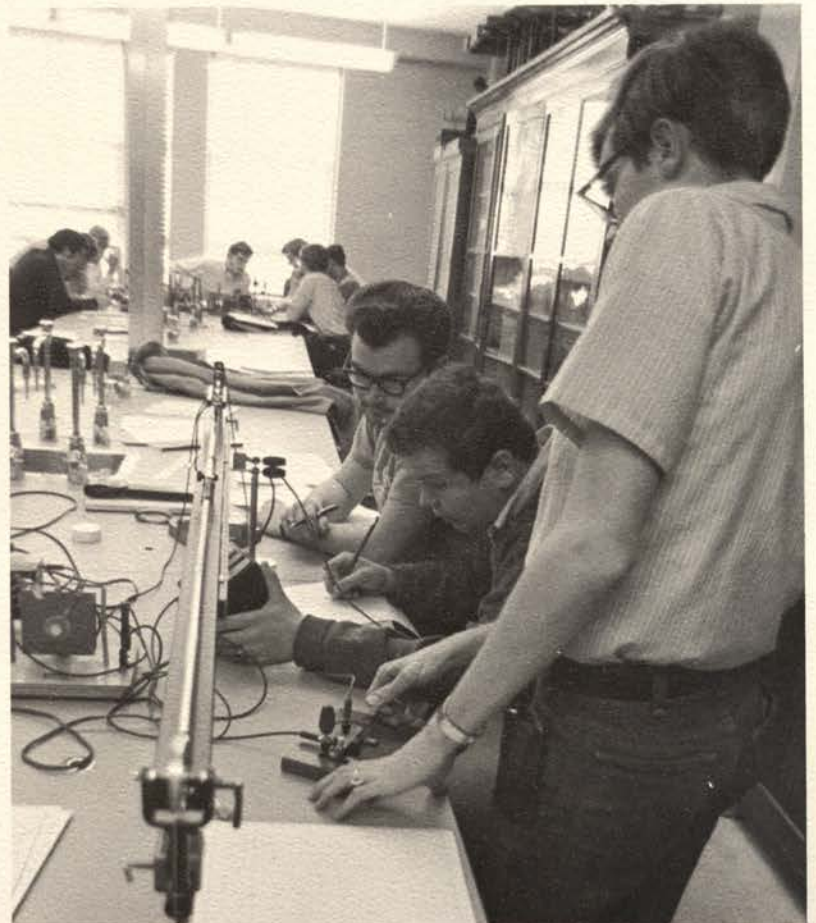
The physics department at U.M.R. produced twenty-five graduates and the department ranked in the top four percent among physics departments in the nation. The enrollment this year consisted of 125 undergraduates and 55 graduates.



Deep in a vast jungle of wires and intricate equipment, this graduate student keeps detailed records on his experimental project.



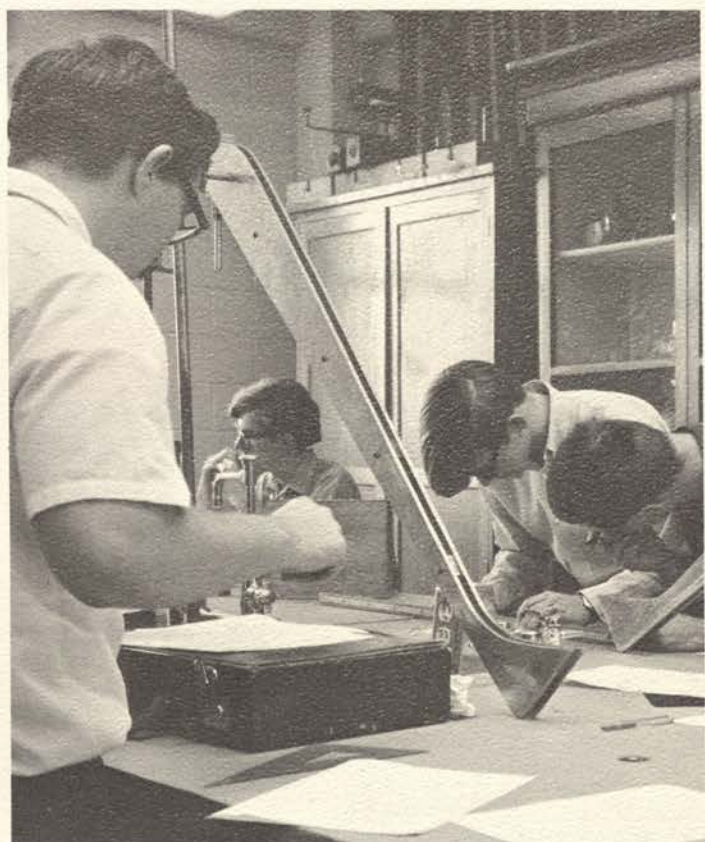
Dr. Harold Q. Fuller  
Chairman of the Physics Department



Many long hours must be spent in the Physics laboratory to complete the experiments needed to fulfill the requirements for a Bachelor of Science degree.

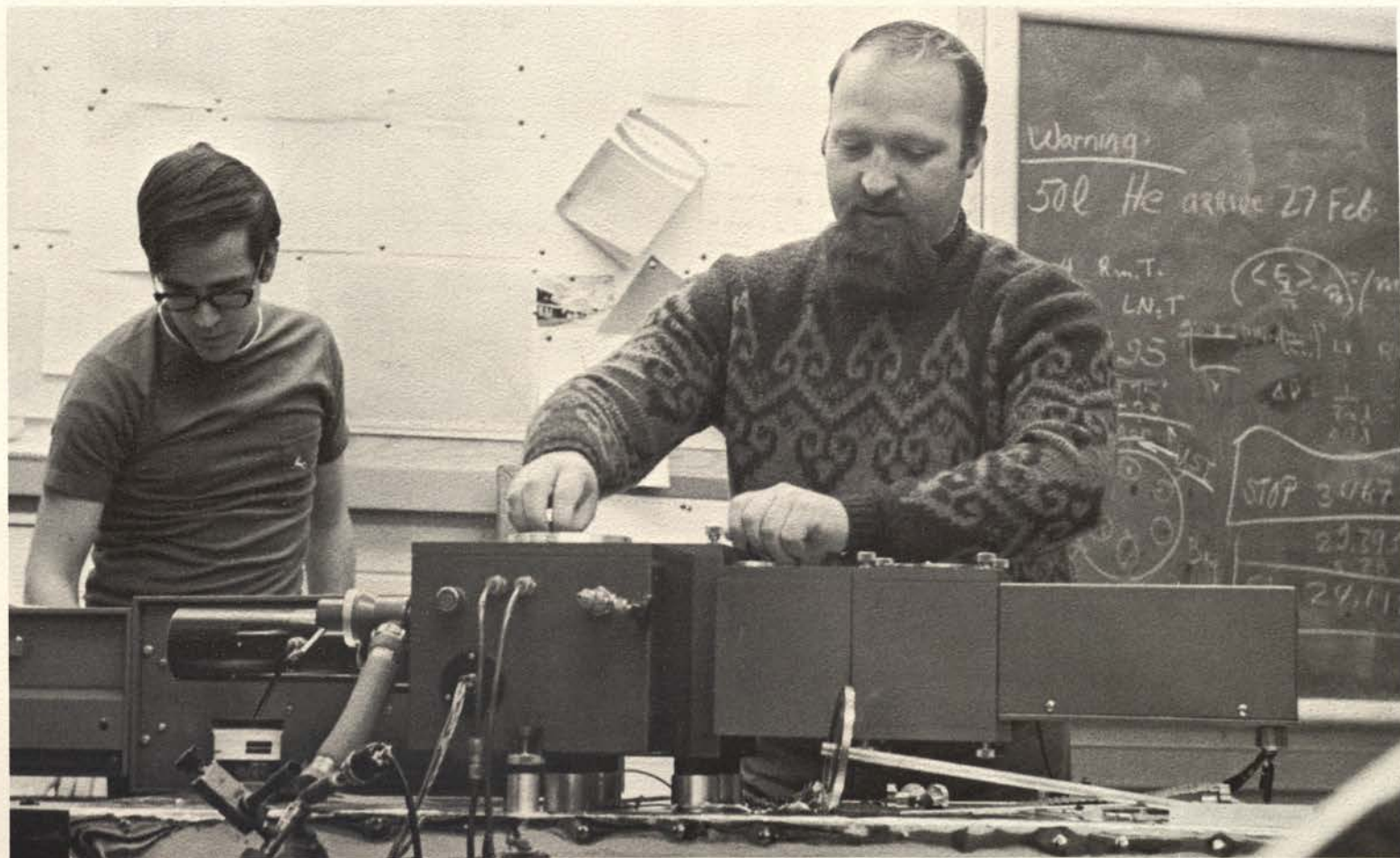


in national ratings



Using a specially built inclined track, these students try to calculate the speed and kinetic energy of a body in rotation.

Working on a heat transfer problem in a laboratory of the Physics department, these students look more than satisfied with the data.



Surrounded by a massive internal combustion setup, these graduate students observe the results of their experimentation on the instruments.









# Chronology





# Annual All-School Mixer a huge success

A cold, rainy October 11 saw UMR sponsor its annual all-school mixer. Due to the pouring rain, the usual reception line of exuberant Miners was not present, but the reception was well-handled.

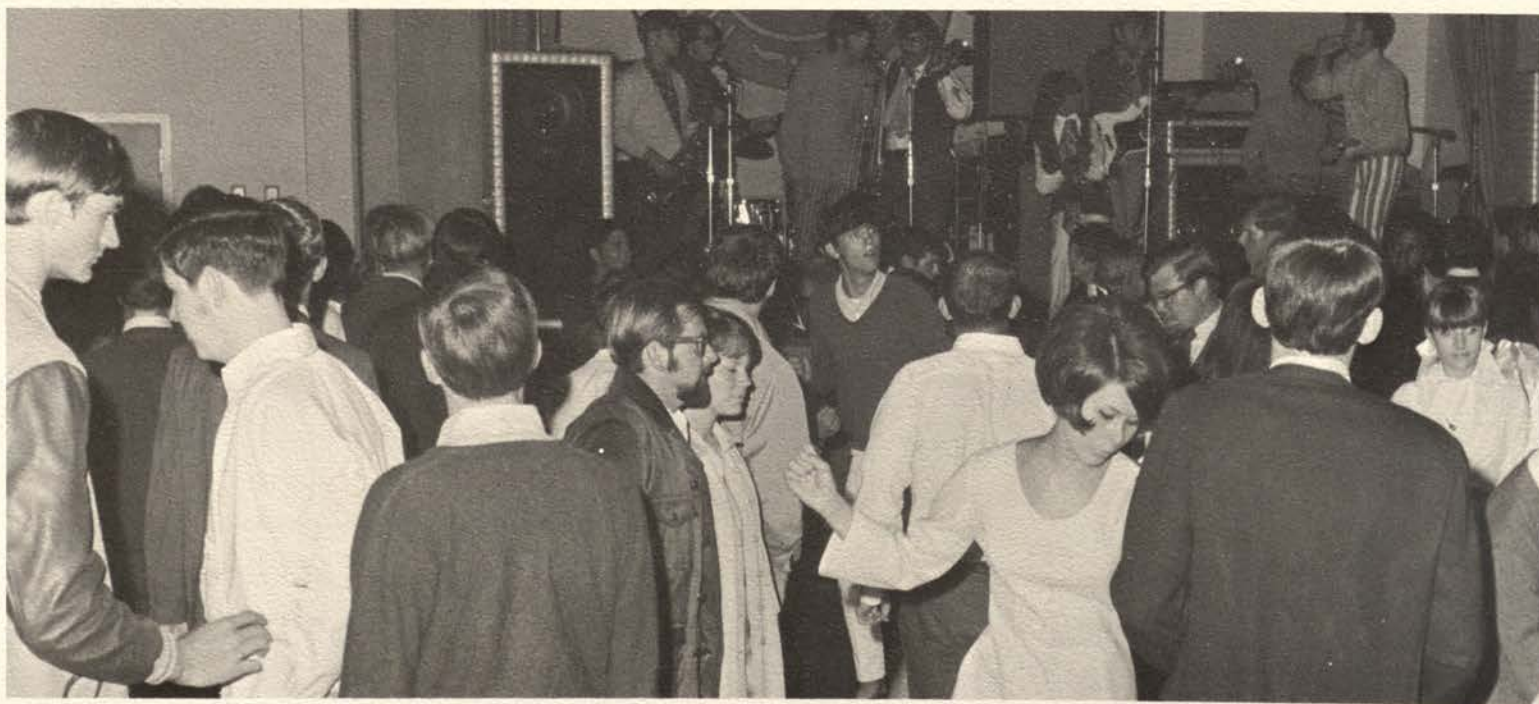
The afternoon mixer featured the music of the Chosen Few. The dress was informal so that the girls would lose no time preparing for this part of the mixer. Most girls had little trouble finding dates for the rest of the day. The

afternoon mixer concluded at 5:00 p.m., providing time to prepare for the evening's events.

Activity resumed at 8:00 p.m., featuring the sounds of "The Murge." The Student Union Ballroom was packed to capacity for the coat-and-tie affair, and because of the bad weather the atmosphere was somewhat close. At 12:00 everyone was tired of dancing and the 500 girls boarded their buses, with only memories of an enjoyable day.



The "Murge" added terrific music to the week-end and helped make the tenth annual all school mixer a great success which will be hard to top next year.



As the evening got under way, Debby Friend and Mark Thornsberry danced to the acid rock of the "Murge" in the student union ballroom.



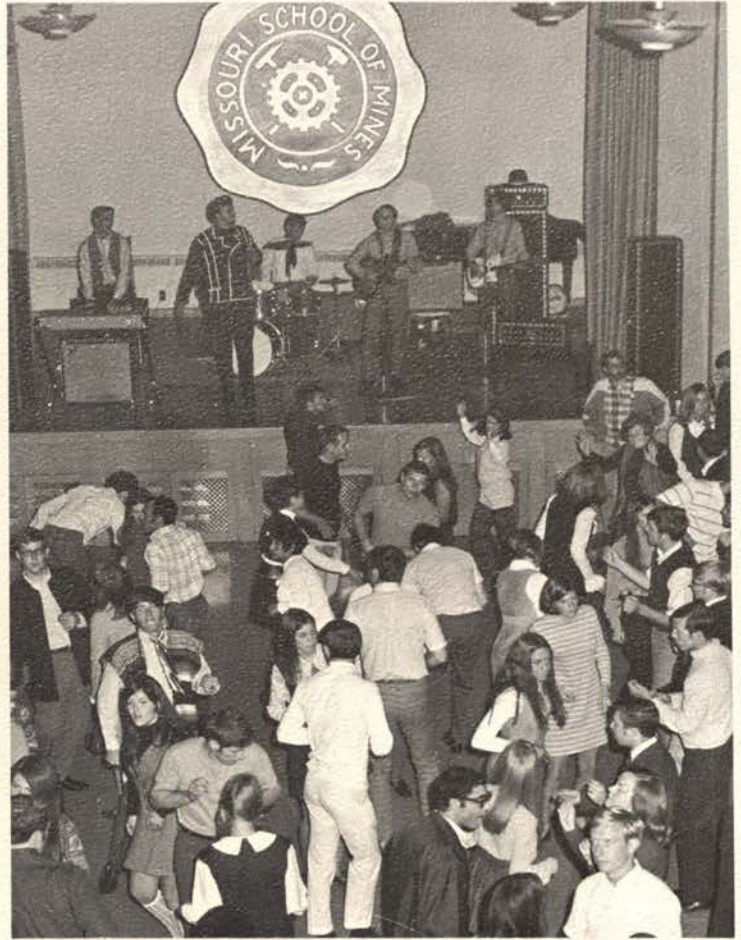
despite cold and rainy weather



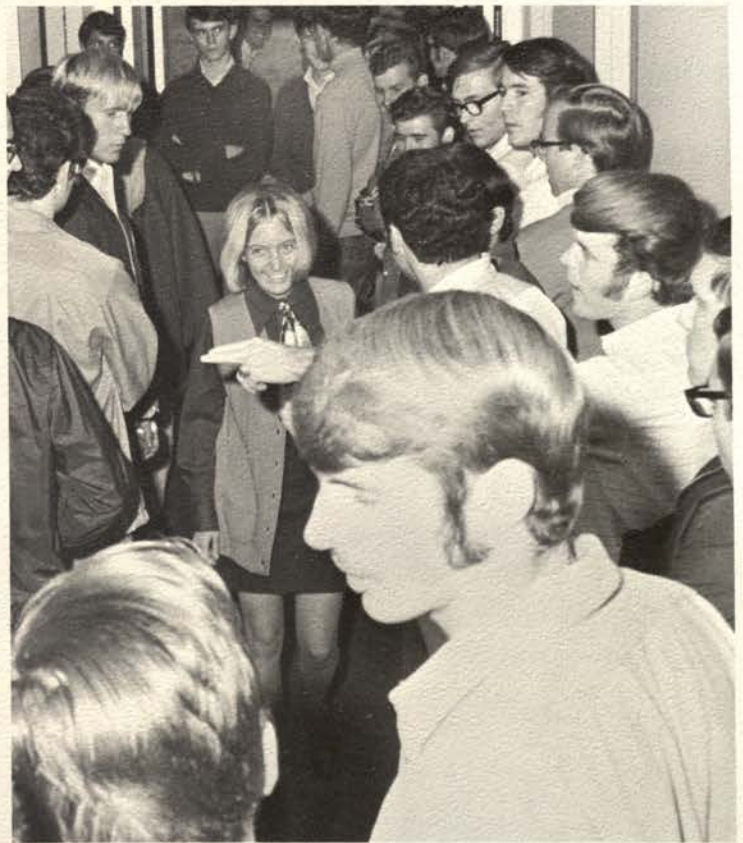
A lucky fellow walks with his special prize. She wasted no time in putting her catch to work by allowing him to carry her baggage.



These three girls feel they must walk in the company of others in order to protect themselves from all the love-starved Miners.



The men of U.M.R. get acquainted with their newly acquired women by dancing to the throbbing and driving music of the "Chosen Few".



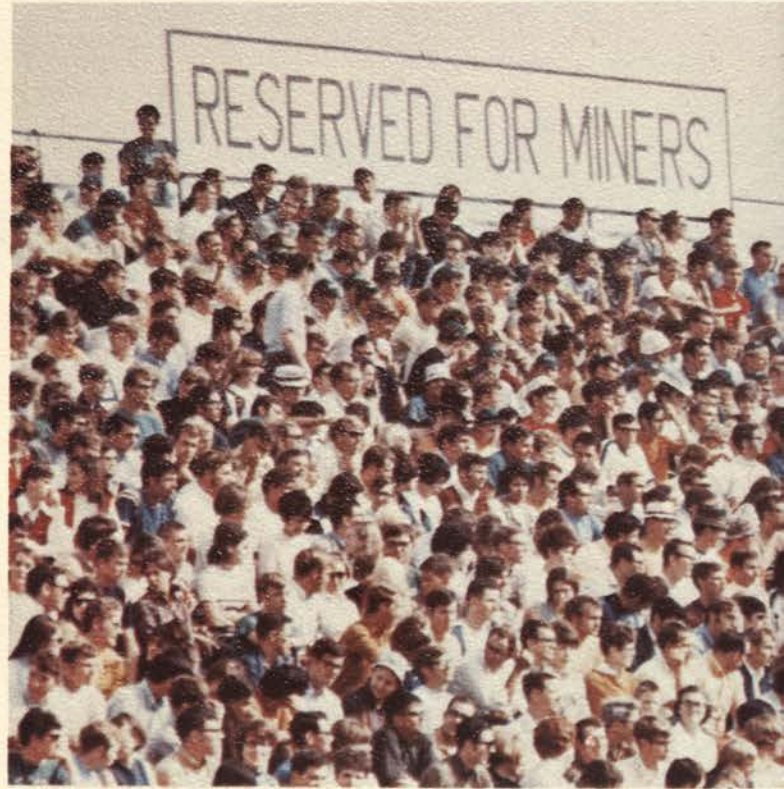
This unknowing out-of-town coed bravely walks through a restless crowd of admiring Miners as they gaze at her with desire.



# UMR's 33-14 victory sets proper mood



The newly opened Prospector's Club provided the atmosphere for a Friday night get-together featuring the sounds of the "Potter's Wheel" from St. Louis.



Cheering the Miners on to victory, the men of MRHA and their dates enjoyed the non-conference encounter with the Mo. Valley Vikings.



Providing great entertainment for all present, the tug-of-war contest proved to be the highlight of the independents games at Lion's Park.



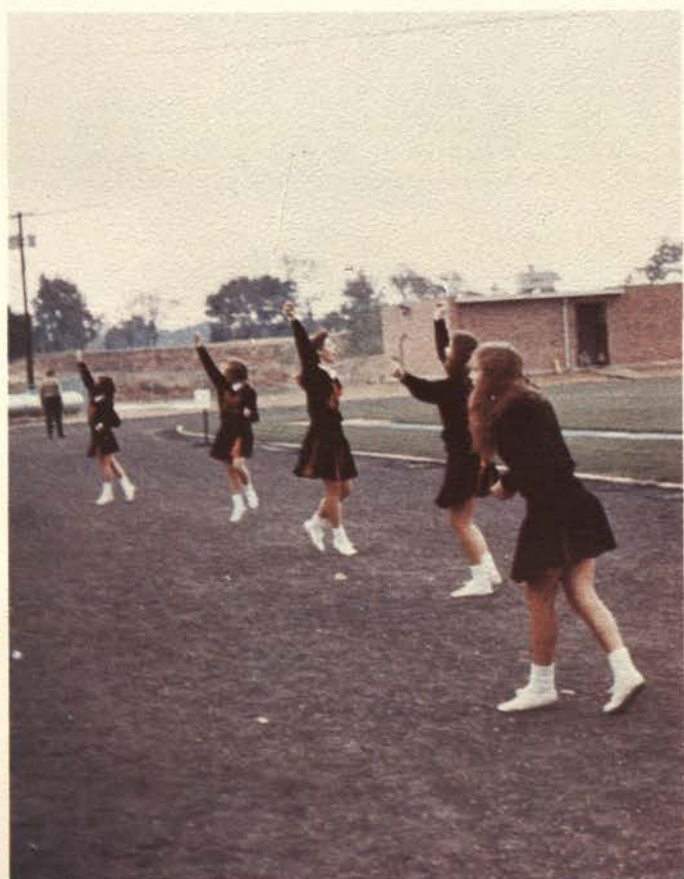
Kicking-off to the Vikings in the second quarter is Larry Oliver, four year superstar and all-conference selection for UMR.



## for Independents Weekend



During halftime of the Miners-Missouri Valley football game, the UMR marching band, under the direction of Prof. Oakley, entertains loyal fans of UMR.



Leading the independents in a cheer, the UMR cheerleaders provide the football squad with the well-deserved and needed support.

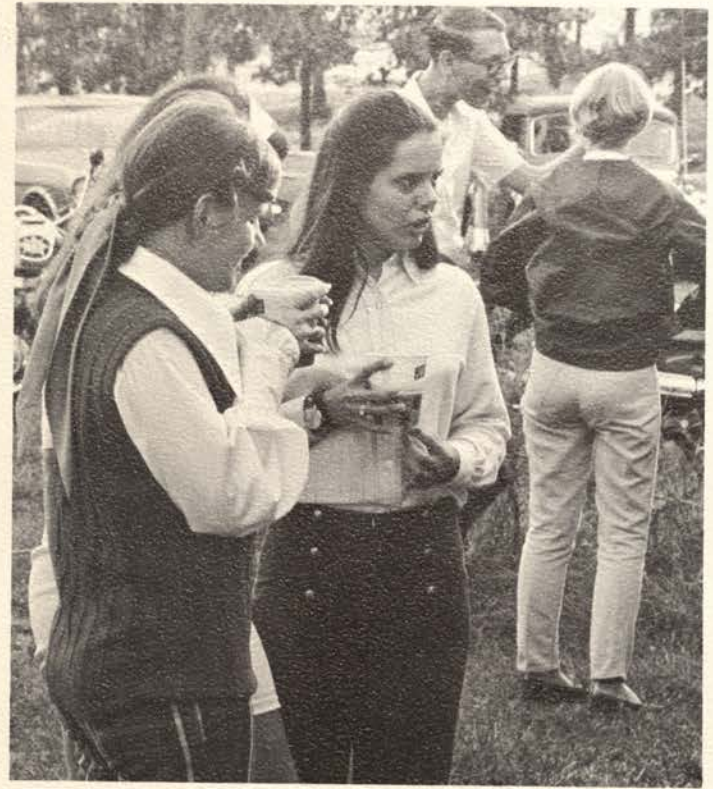


Vibrating through the hollow at Echo Valley Farm, the sounds of the "Period" could be heard for miles around during the Saturday night dance.





At the GDI Banquet, in the crystal room of the Carney Manor, guest speaker Dr. Tom Beveridge does his own thing in his usual witty manner.



As the GDI party weekend gets into full swing, three attractive young imports take a break to rest and discuss the day's activities.

## Independents Weekend Proves to be a Success

A new U.M.R. tradition was strengthened this fall when the Independents presented their second annual Independents' Weekend. The weekend began with a Friday night hayride at Pietsche's farm, followed by dances sponsored by various eating clubs. The Miners' success on the gridiron Saturday afternoon was the perfect prelude to the Independents' Games held at Lions' Club Park. M.R.H.A. proved to be the toughest contenders in the Tug-of-War contest as they slowly pulled Tech Club into the mire and second place. The

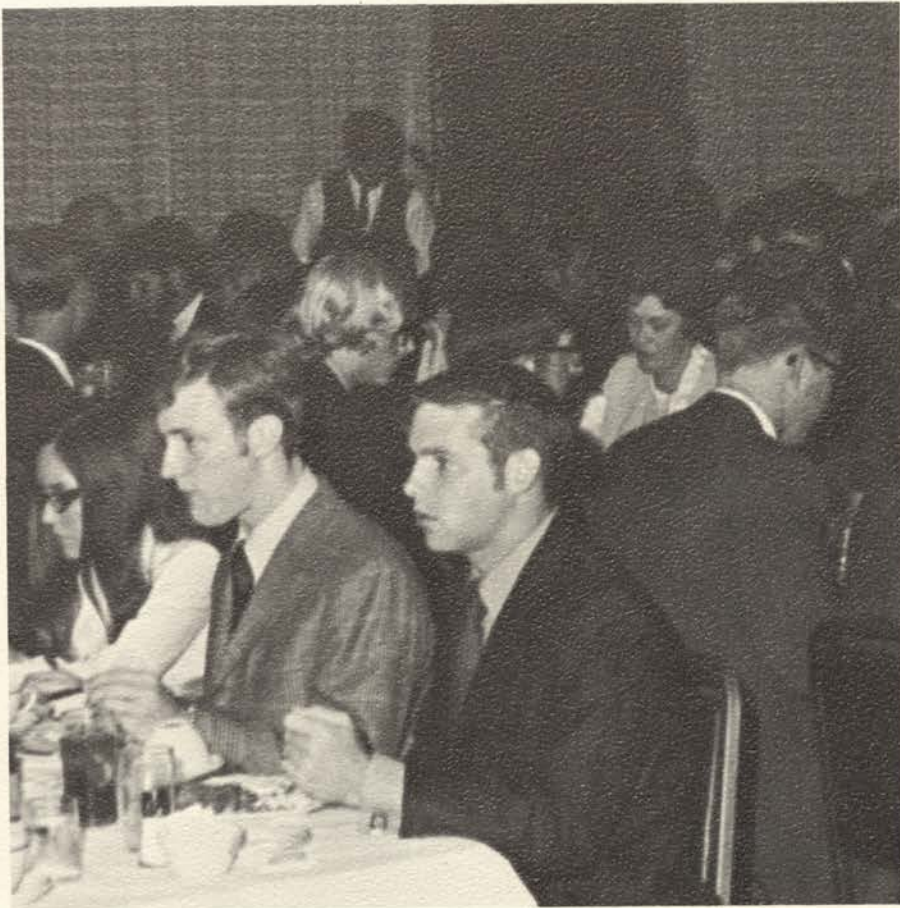
big dance on Saturday evening capped the memories and enjoyment of the entire weekend as the festive Miners filled the huge dance floor of Echo Valley Farm.

Earlier in the week, Roger Clemons was named "Independents' Man of the Year" at the first Independents' Banquet. The banquet was attended by officers and board members of all Independent organizations. The honored guests of the affair included outstanding alumni and advisors.

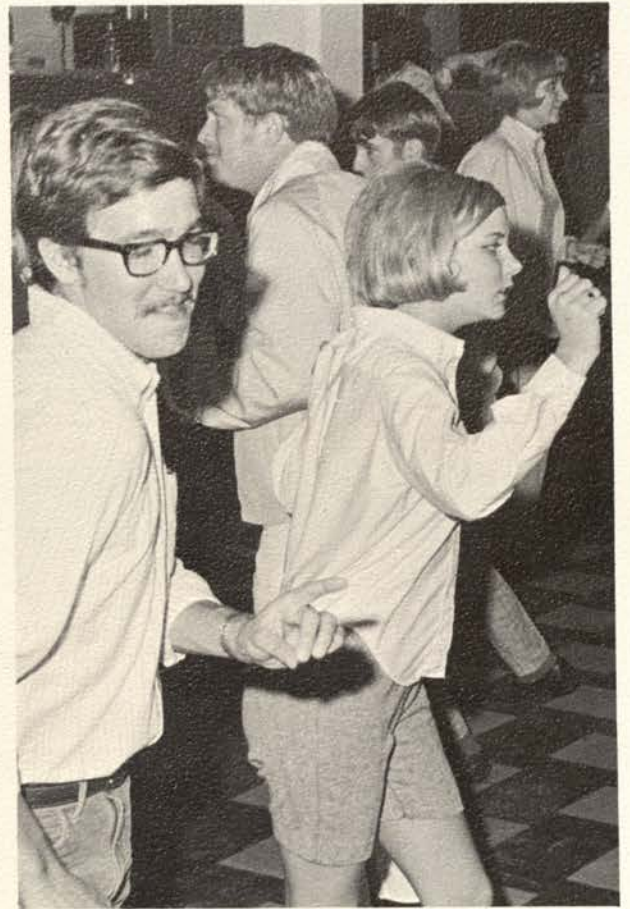
The vitality of the crowd, on a binge at the Lions' Club Park, is typified by the Miners in a tug of war over the murky pond.







Steve Nimmo and Don Wolf, of Engineers' Club, and Clara Hahn, representing the WRHA, listen attentively to the welcoming address marking the first Independents Banquet.



This spirited couple, doing the latest dance at the Shamrock Club, never seemed to tire as the evening wore on.



Grooving to the sounds of the "Period", Miners filled the huge dance floor at Echo Valley Farm, and helped entrench Independents Weekend in UMR tradition.



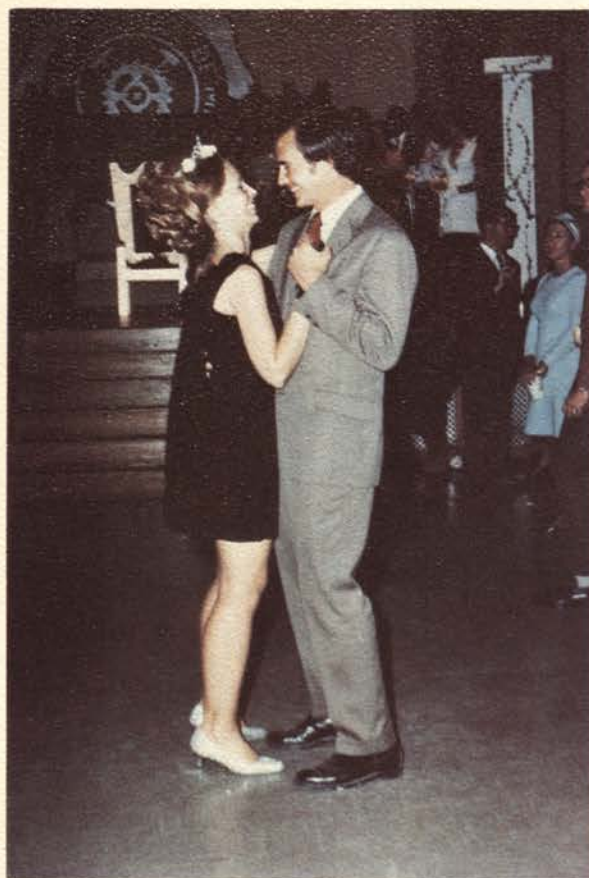
# Betsy Thompson Crowned Homecoming Queen

As Homecoming approached, enthusiastic Miners prepared to show returning alumni a great party weekend. Friday night the Homecoming festivities began when the queen candidates paraded through Rolla to a gathering at the intramural field. There spirits were heightened as cheerleaders, silhouetted against the Homecoming bonfire, led students in a pep rally. The many late-night parties, sponsored by fraternities and eating clubs, were more than enough to end the day. Saturday was the perfect setting for

the clash between the U.M.R. Miners and the S.M.S. Tigers, both undefeated. Competition was tough, but the Tigers proved superior with a strong second half come back. The traditional pledge pajama race in which Tau Kappa Epsilon took first, entertained pre-game spectators and during half-time Miss Betsy Thompson, representing Kappa Sigma was crowned Homecoming Queen, 1969. Homecoming ended with parties for students and alumni, which lasted in most cases, until well into the morning.



Jack Grawe shows off his unique passing ability as the offensive line moves to block the Cape Girardeau Indians in the first quarter of the 32-24 Miner defeat.



Homecoming Queen Betsy Thompson begins her reign in a spotlight dance at the Student Union Ballroom.



Pi Kappa Alpha fraternity showed its enthusiasm for the gala occasion by exhibiting their colorful homecoming lawn display with the message "Raid of the Indians".



Cheerleaders Wendy Waters and Winnette Mason smile to the crowd as they ride atop a car in the parade.





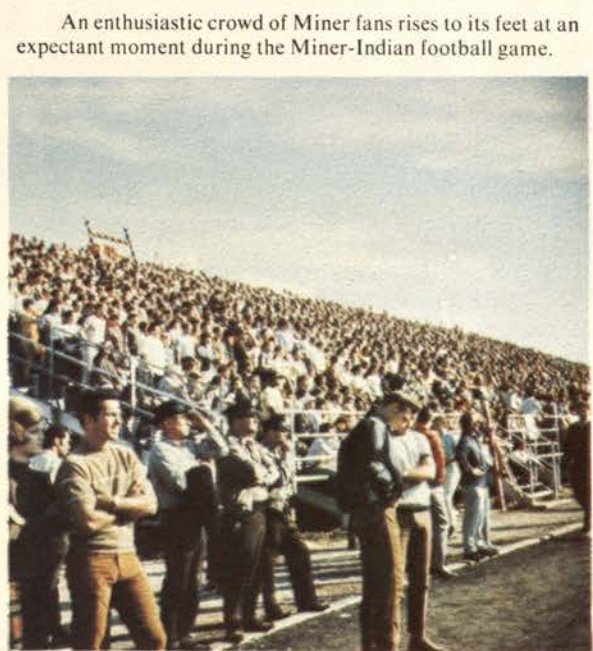
Sigma Tau Gamma exhibited the Miner image and spirit in their original and amusing lawn display.



Pleasant Smith and President Weaver pose with some of the members of the Miner football team, shortly before the Homecoming game against Southeast Missouri State.



Music by Bob Kuban and the In-Men and an abundance of girls added to the party weekend atmosphere present at the Coronation Ball at the Student Union Ballroom.



An enthusiastic crowd of Miner fans rises to its feet at an expectant moment during the Miner-Indian football game.



A beaming homecoming queen, Betsy Thompson, and Mr. James Murphy, president of the UMR Alumni Association, prepare for their ride in the homecoming parade.



Beta Sigma Psi fraternity encourages the Miners to "Scalp dem Injuns" in the Homecoming game against SEMO.



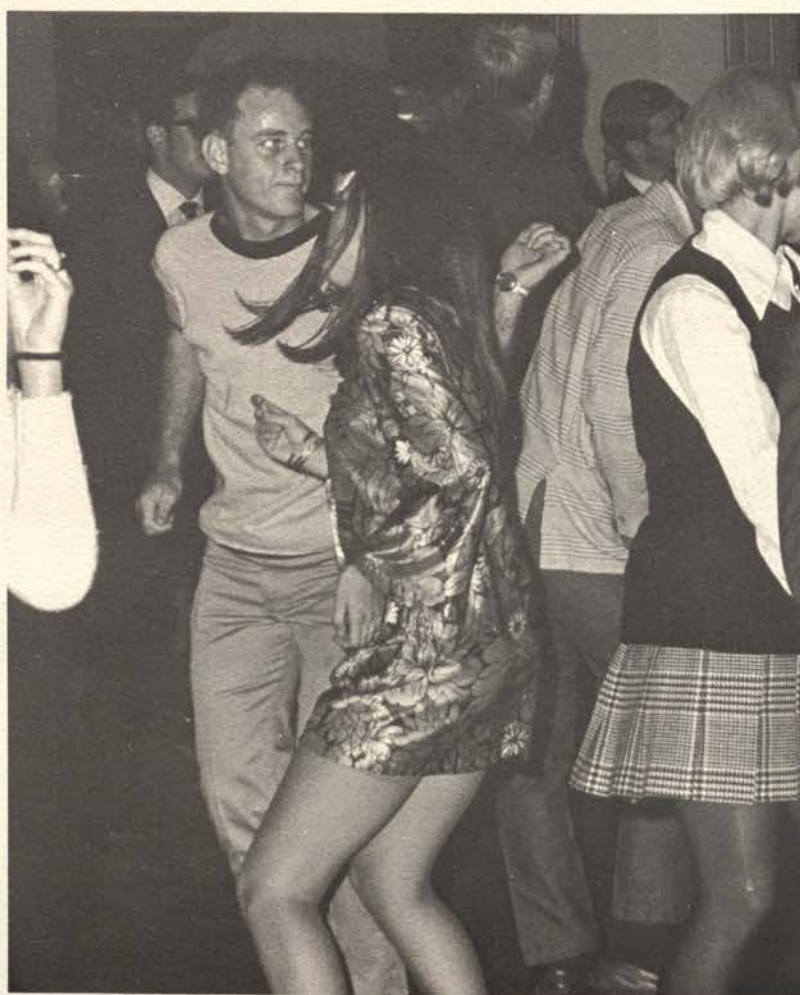


The Men of Kappa Sigma realized all their hard work was worthwhile, when they achieved first place in the house decorating contest.

During half time of the Miners' Homecoming football game, President John Weaver prepares to announce the royalty of the 1969 season.



After an exciting day of Homecoming Activities, students swing to the jarring music of Bob Kuban and the In-Men at the Student Union Ballroom.





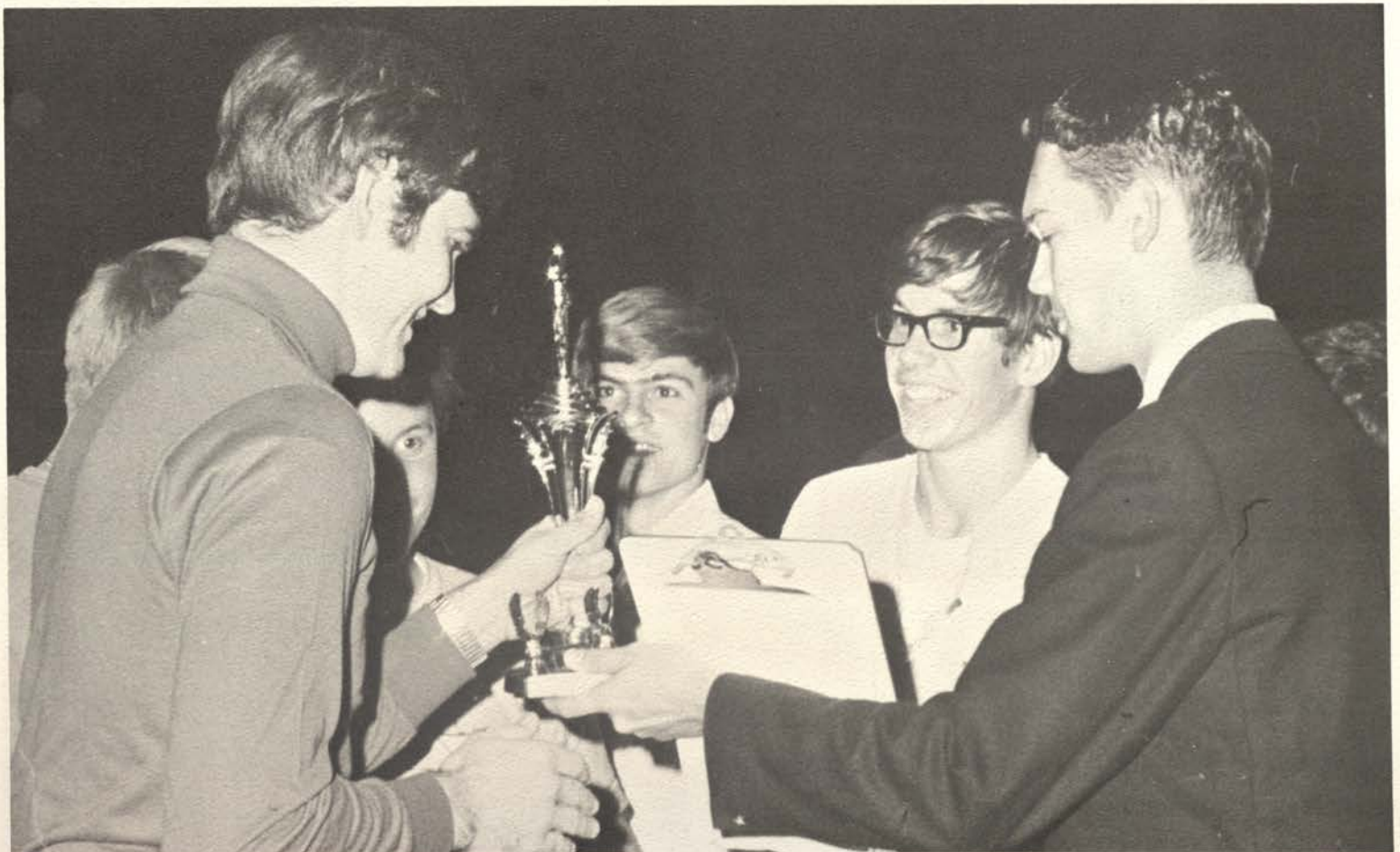


As the deadline for the Bonfire contest approaches, the underclassmen of Kappa Alpha work diligently to unload their accumulated burnables.



As the day's activities draw to a close, a wandering couple pauses to behold the bewitching blaze of the Friday Homecoming bonfire at the intramural field.

Jim Bell eagerly accepts the bonfire trophy from Charles White, making a winning streak of three consecutive years for Phi Kappa Theta in the contest.





## Two new additions dedicated in the fall

During the fall semester two new additions were formally presented to the University. Govern Warren E. Hearnes gave the keynote address at the dedication ceremonies which took place on September 23, when the new \$1.5 million M.E. annex, first opened early last spring, was dedicated. Governor Hearnes spoke on "Industrial Progress in Missouri."

Ed Macauley, KTVI sports director in St. Louis, and Harry Kessler, world renowned boxing referee and president of Meehanite Metal Corporation, St. Louis, gave keynote addresses at the dedication of the new Multi-Purpose Building on October 24. Mr. Macauley spoke on sports and the value of intercollegiate athletics, as did Mr. Kessler. The Multi-Purpose Building was first opened last summer.



Governor Warren E. Hearnes delivers the keynote address entitled "Industrial Progress in Missouri," during the dedication of the M.E. annex.



Governor Hearnes, Chancellor Baker, Dr. Demarquis Wyatt chat after the M.E. annex dedication.

The M.E. annex provides 38,000 square feet of new space for classrooms, research laboratories, a design laboratory, offices and a large auditorium.







Harry Kessler, one of the speakers at the Multi-Purpose Building dedication, is a UMR graduate in metallurgical engineering.

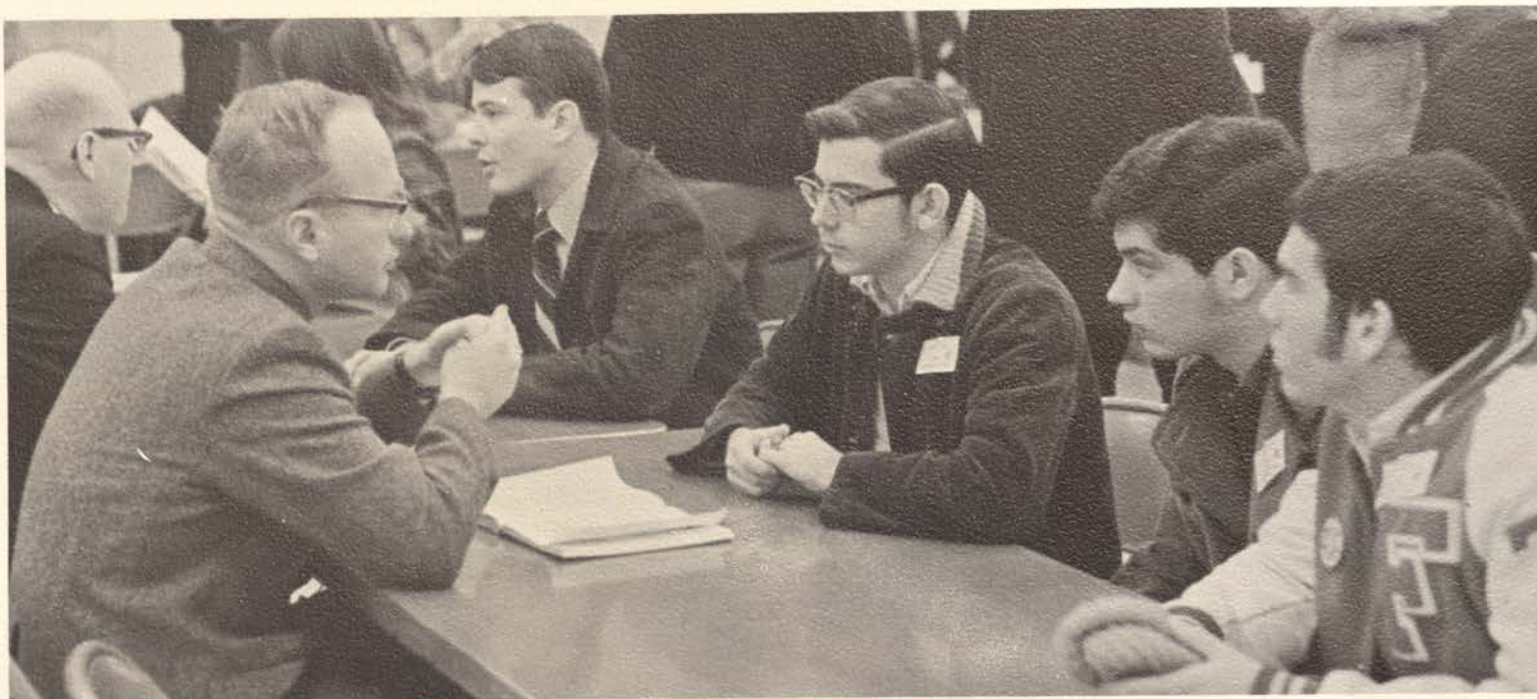


Offering his observations of the UMR athletic program, Coach Billy Key tells of the progress that UMR has realized in sports.

The Multi-Purpose Building features an indoor swimming pool and varsity and intramural basketball courts, with a seating capacity of 5,000.

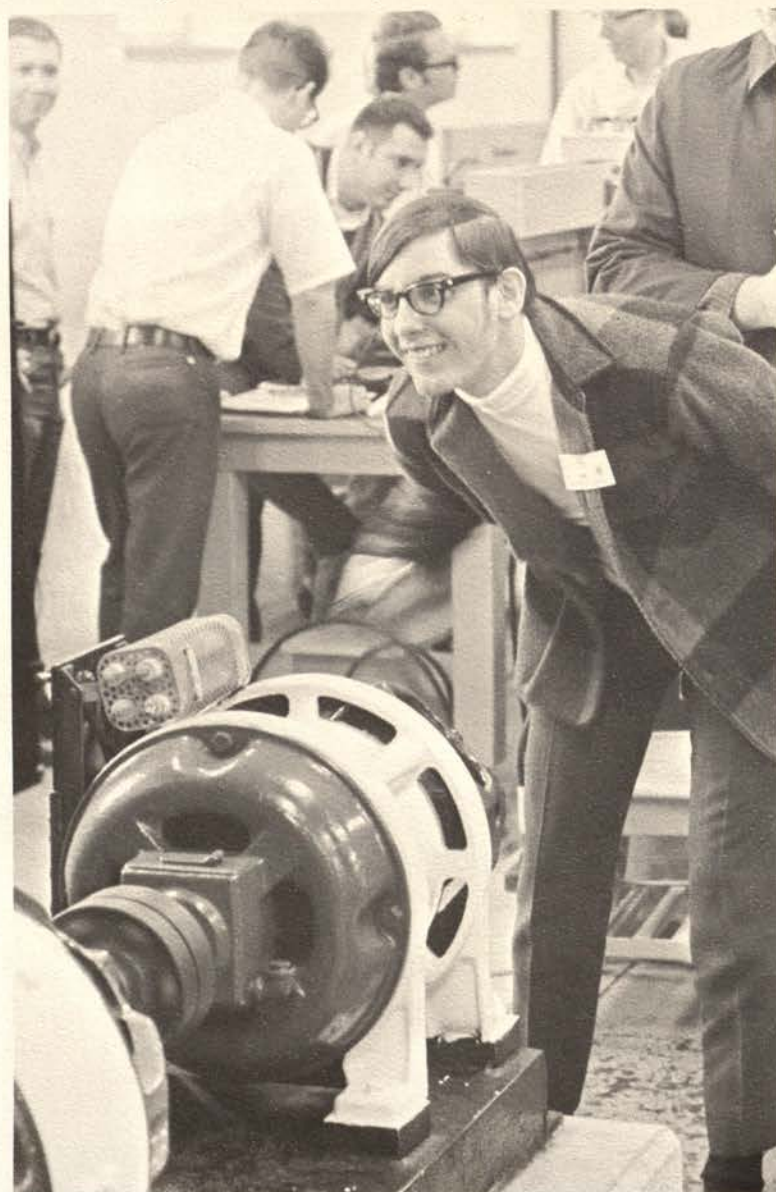






On University Day, prospective students are given the opportunity to speak with representatives from every department on the UMR campus.

An inquisitive student becomes acquainted with the fascinating displays such as this electrical generator in the power plant of the M.E. department.



Dr. Claude Grimm discusses some of the many advantages of attending UMR with one of the prospective students attending University Day.



Parents and students listen intently as Professor Kerr answers questions and gives advice on furthering ones education at UMR.



# 1970 University Day attracts new students

On University Day teachers, parents, and future students viewed the campus with a careful eye. The University plays host to these guests annually in an attempt to relate the atmosphere of this campus to those interested. This year each department set up exhibits run by students, explaining facets of that particular curriculum. Also presenting exhibits were many of the professional organizations and clubs, which displayed science projects and showed films of all phases of campus life. Tours were conducted throughout the day by many service organizations such as the Intercollegiate Knights, Circle K, and Alpha Phi Omega. In the Student Union ballroom, personnel guidance talks and discussions were conducted to help those having any questions concerning finances or curricula. The second floor of the Union was reserved for fraternities and eating clubs as an information outlet.

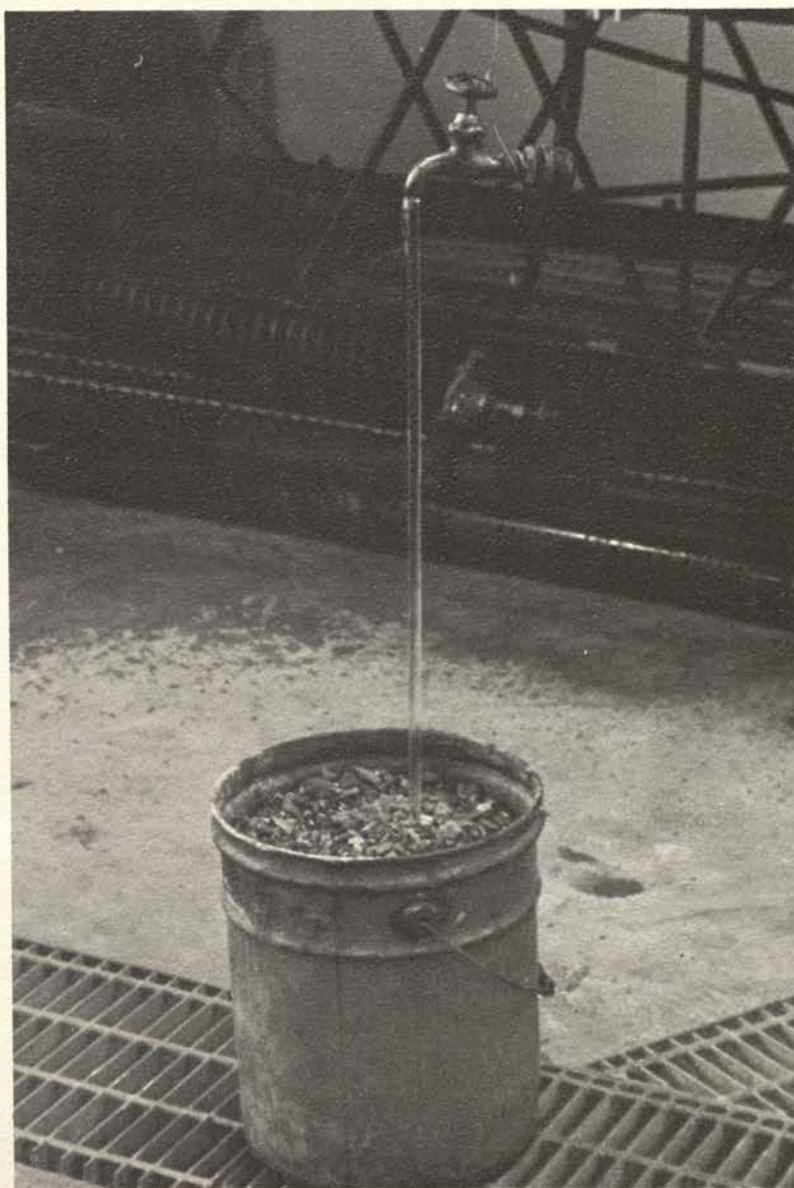


A future co-ed shows an interest in some of the computer programs and programmers in the computer science center in the basement of Harris Hall.



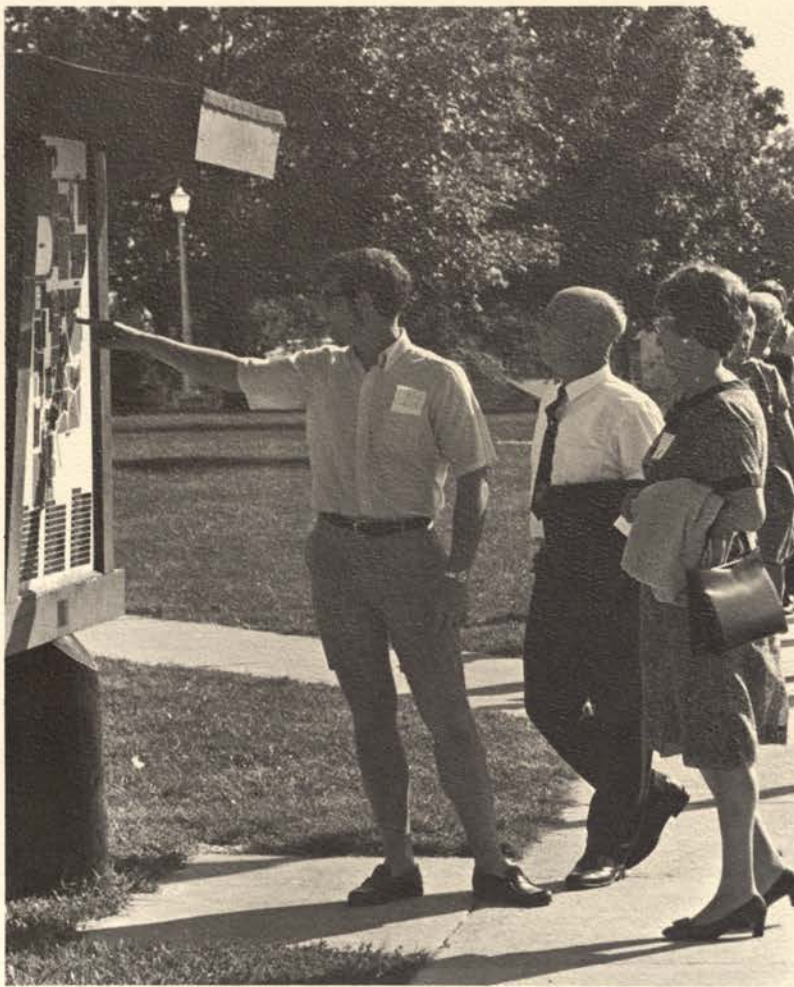
University Day gives a graduate student an opportunity to illustrate some of the functions studied by the physics student.

Two visitors listen intently as a UMR student explains to them some of the operations carried on and studied in the ceramics department.



This display, one of the most unusual seen on University Day, was made by a fluid mechanics student, and demonstrates a strange phenomenon that puzzled all.





On an unusually bright day, parents delay in front of a map of the campus as a friendly student guide directs them to various points of interest.

## UMR greets parents on Parents' Day

This year the students and faculty of UMR again extended an invitation to parents to come to Rolla for Parents' Day activities. Registration began at 8:30 a.m. in the Student Union Ballroom, and was followed by an informal coffee, giving parents an opportunity to speak with professors and other parents and students in attendance. Campus tours were conducted throughout the morning by several service organizations. Chancellor Baker and other administrators greeted the parents at a late morning reception in the Multi-Purpose Building following the tours. At 2:00 p.m. everyone moved to Jackling Field for the Miner football game with the Bradley Braves.



For most of Saturday morning, Dr. and Mrs. Baker greeted parents at a reception in the recently dedicated Multi-Purpose Building.



During one of the numerous happenings of the season, Parents' Day, students have a chance to show-off many new facilities and buildings on the campus.





The university personnel goes all out to extend their hospitality with a delicious luncheon for the parents in the new multipurpose building.



Mrs. Underwood assists parents with refreshments during the annual Parents' Day activities, as they take a break from touring the facilities of the campus.

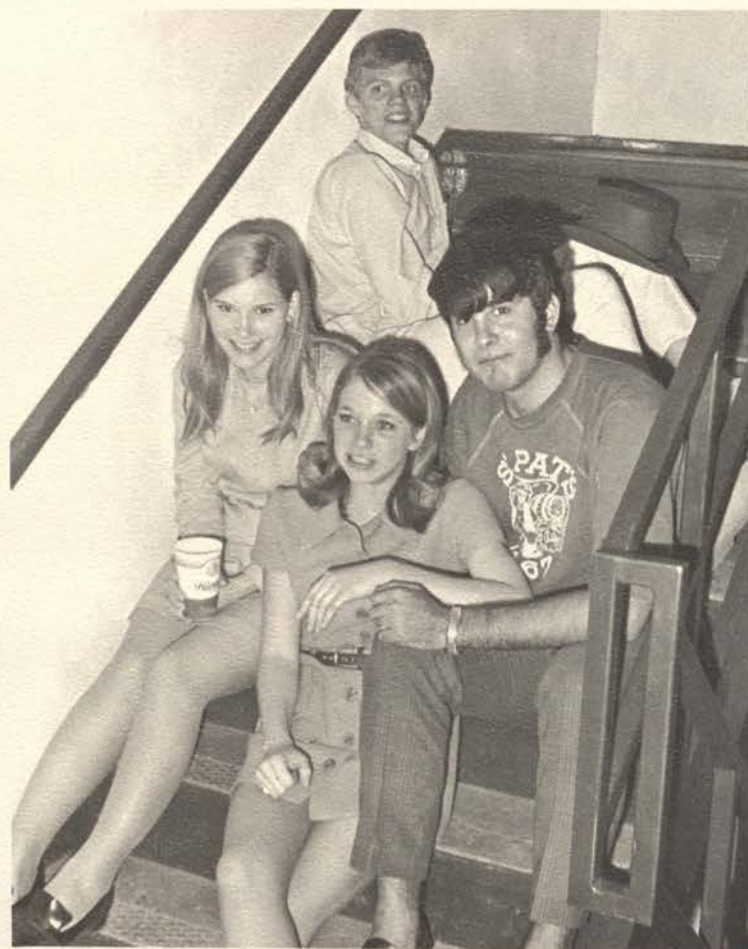




A dance isn't a dance without a band like "The Murge" who rocked the entire campus with music for the Christmas Party Weekend Student Union event.



Christmas Party Weekend gave UMR students the chance to spread a little joy to others less fortunate. Here two children enjoy some ice cream.



These two weary couples take time out to recuperate from the hectic festivities at Pi Kappa Alpha and get in a few quiet moments away from the crowd.



# Christmas parties bring cheer to UMR

As in past years, the Christmas season started off with many charitable Christmas parties given for children who otherwise might not have known some of the joys of the season. These parties were given by the IFC, the ICC, and various fraternities and eating clubs. The success of the parties was evident on the grateful faces of the children as they left, and everyone agreed that it was of great benefit to all involved.

To make the holiday season a little more enjoyable for everyone, many fraternities and dormitories also decorated their residences in the true Christmas fashion.

As the Christmas spirit continued to build and preparations for the coming weekend grew more hectic, the IFC Sing took place on Friday night to add a bit of harmony to the many activities. For the second straight year, Sigma Pi took first in the quartet division over a strong field of worthy contenders.

The weekend reached its climax as the parties around campus beat to the stimulating tempo of the many bands performing at fraternities and eating clubs. Playing in the Student Union, "The Murge" closed out the weekend by delighting the Ball Room crowd with a fine performance.

All in all the Christmas season spirit, along with some of another nature, seemed to pervade the entire week making it a week that will remain forever in the hearts of those who were lucky enough to have witnessed it.

As the beat of the music livens everyone's spirit, Jack Everett and his date groove to the sounds of soul in the Student Union Ballroom.



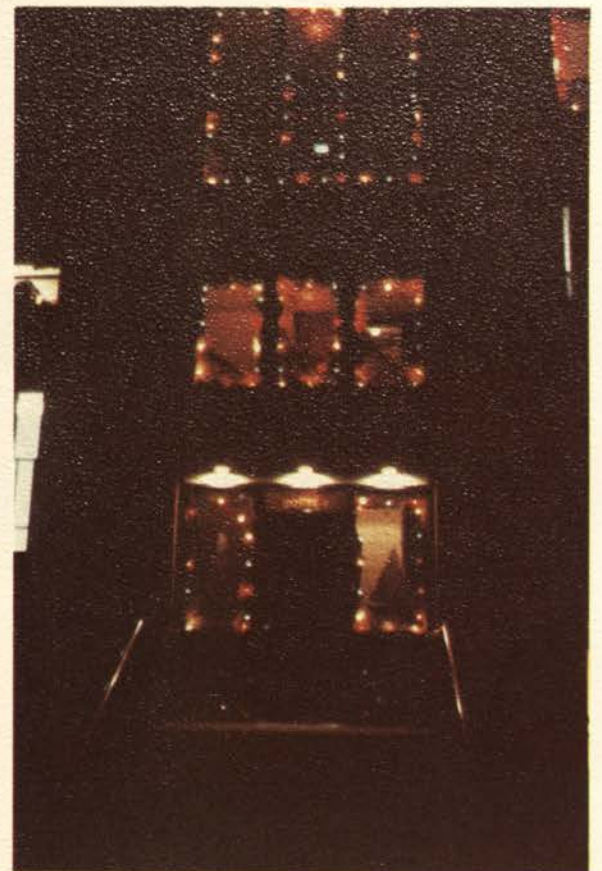
Alberta Kottwitz, from the girls' dormitory, puts her time to good use at the annual Christmas party for underprivileged children at WRHA.







Glancing through the balcony windows of Thomas Jefferson reveals a gigantic, illuminated Christmas tree, which helps to promote enthusiasm for the Christmas season.



These simple Christmas decorations brightened the window of House 69, and added to the Christmas spirit at M.R.H.A.



The brightly lit Pi Kappa Phi House reveals the warmth of the season and the spirit of a Christmas Party weekend to passersby on Pine Street.



This peaceful manger scene added meaning and a note of serenity to the bustle and excitement of the Christmas season.





Frosty the Snowman gleams through the windows of House 7 and spreads his Christmas cheer to all residents of the dorms.



Surely Santa Claus will not forget to stop at the beautifully decorated Lambda Chi House, which won for them first place in the Christmas Decorating Contest.



An assortment of lights and evergreens, a brightly lit doorway, and a "Merry Christmas" were Phi Kappa Theta's greeting to passersby during the Christmas Season.



Teke's decorated archways and lighted candles added to the spirit and enthusiasm over Christmas Party Weekend.

Triangle fraternity's unique Christmas decorations combined the traditional evergreens and Christmas lights with the contemporary peace symbol.





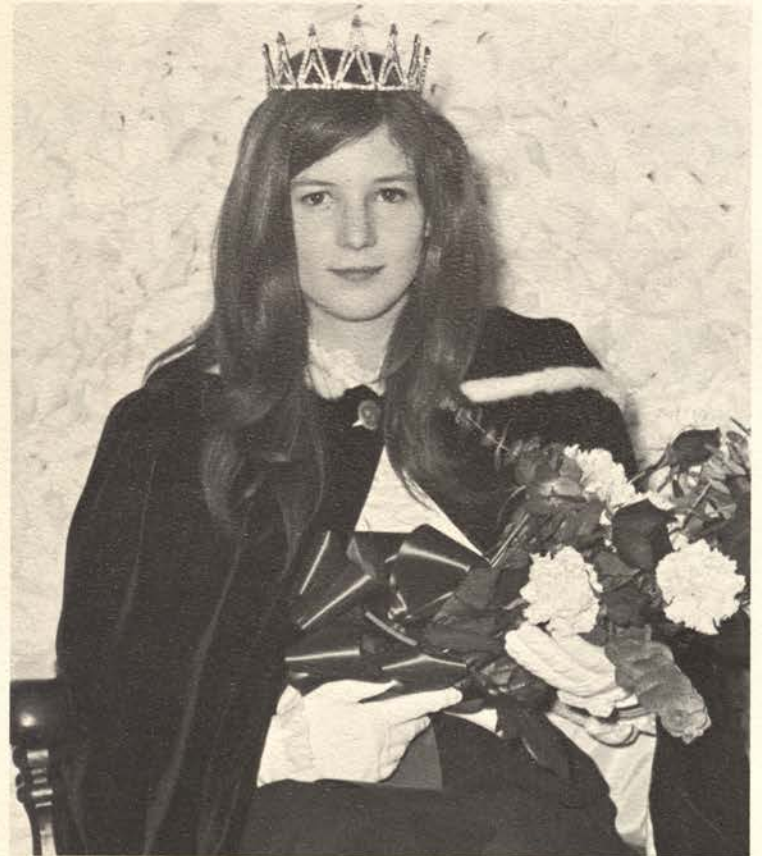
# Scabbard and Blade hosts 31st Annual Military Ball

The Scabbard and Blade presented its 31st annual military ball on February 14th. The ball proved to be one of the best social events of the year with the many prominent guests present. A tough decision was made by the board of interviewers consisting of five professors and five officers, when they chose Miss Winnette Mason, from among twelve queen candidates, as Military Ball Queen. Winnette Mason, the representative of Thomas Jefferson Residence Halls, as the crowned

queen, won a silver tea service. First runner-up was Miss Wendy Waters, representing the Association of the United States Army, the second runner-up was Miss Danna Shelby representing Acacia. The twelve candidates were presented at the Valentine's Dance Friday night in the Student Union. The Coronation was held Saturday evening with Major General Plager doing the honors of crowning Miss Mason Queen for 1970.



As her reign as 1969 Military Ball Queen draws to a close, Lendi Stetler prepares to crown Winnette Mason as the new queen to reign for 1970.



Moments after being crowned 1970 Military Ball Queen, Winnette Mason sits on her royal throne, anxiously awaiting the start of the Ball.

Brigade sponsor, Terri Collier, escorts Col. John Frassrand, to his place of honor at the Ball on Saturday night.



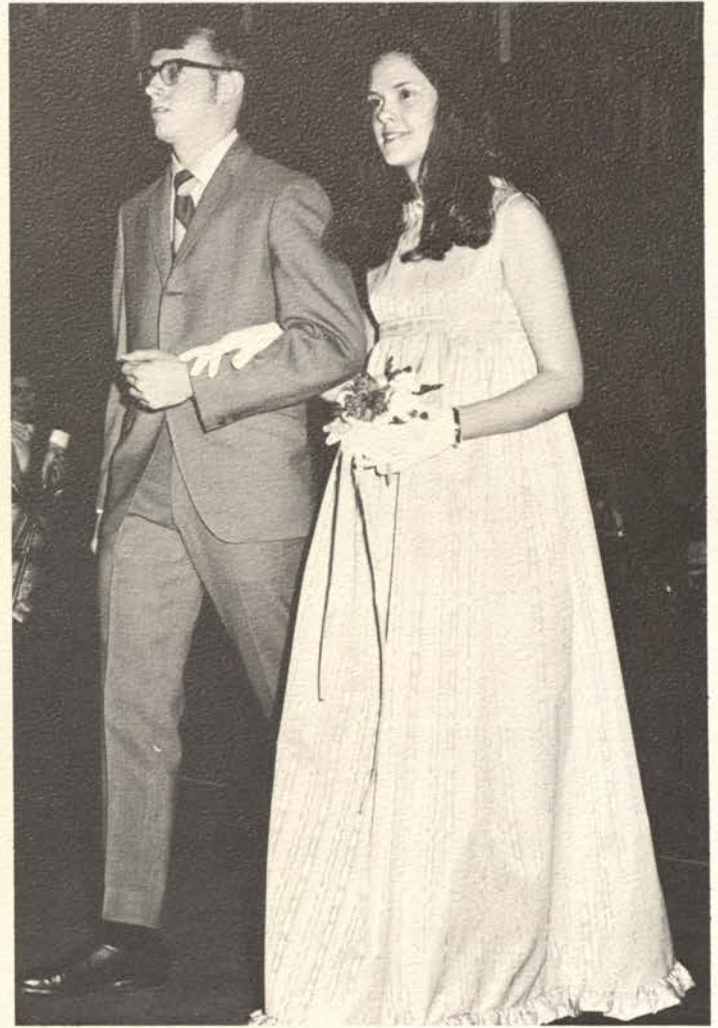
Gleaming with splendor, this silver tea service was the grand prize given to the 1970 Military Ball Queen, Winnette Mason, who represented Thomas Jefferson Hall.







Queen Winnette Mason and her escort, Rich Astolfi, enjoy the dance music at the Saturday evening Ball at the Rolla National Guard Armory.



Parading down the aisle, queen candidate Jan Frassrand and escort, Jim Beilstein, smile to the huge crowd of onlookers.

Preparing to tap-in honorary members to Scabbard and Blade, these four Scabbard and Blade stand at military attention.







Cadet Lieutenant James Michel taps Captain Miller into the Scabbard and Blade Honorary as two other honorees anxiously await their initiation.

The members of Scabbard and Blade show their honor and respect for a forthcoming queen, Winnette Mason, as she walks to the stage before her coronation.



The dance floor was filled, despite the fact that only part of the band made it through the snow to the ball.







The R.O.T.C. honor guard is sombre as they parade through the gaily decorated armory at the start of the coronation ceremonies.



A beaming Winnette Mason with her attendants, after they have been crowned as the 1970 Military Ball Queen, and runners-up.

The queen candidates, as they hear the long awaited announcement of the 1970 Military Ball Queen, show looks of astonishment and pleasure.







Dr. John A. O'Keefe, assistant chief for planetary studies, Goddard Space Flight Center Laboratory, spoke on the future challenges in the space age.

## Founders' Day opens UMR centennial year

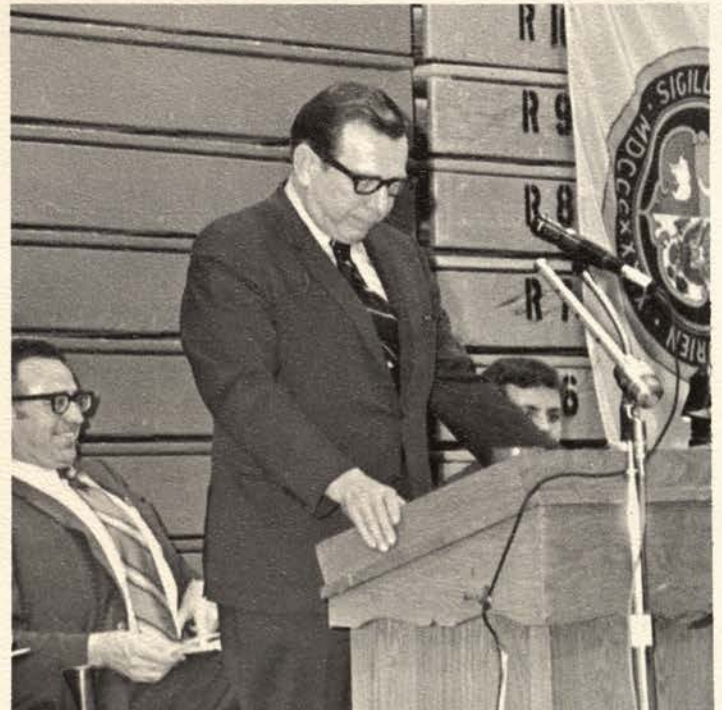
Classes were suspended on February 24th in order that students could attend ceremonies commemorating UMR's centennial year. The activities began with the 10:00 a.m. Founders' Day Dedication where Dr. John O'Keefe, NASA Assistant Chief of Planetary Studies, addressed those present with "Future Challenges in the Space Program." Also at the morning ceremony, James J. Murphy presented the school with a centennial flag. In addition, Jack Leone, president of the student council, issued "A Centennial Challenge."

Lt. Governor William S. Morris outlined UMR's heritage and challenge at the afternoon Convocation. At the program, plaques were presented to the school and to the State of Missouri commemorating the centennial year, and congratulatory remarks were made by dignitaries.

At the Founders' Day dinner, held that evening, Fred Conway, painter of the mini-mural, "UMR-The First Hundred Years," was the main speaker. Max Schellman, Rollamo editor, then presented the painting to the school. The Rollamo Board commissioned Mr. Conway to do the painting.



Al Behring and Charles Laderoute presented Dr. Baker with a birthday card, signed by all organization presidents, for the University on its birthday.



Lt. Governor Morris outlined UMR's heritage and its challenges in his speech at the afternoon program in the Multi-Purpose Building.



A fine audience consisting of students, faculty, and alumni witnessed the ceremonies in the Multi-Purpose Building.

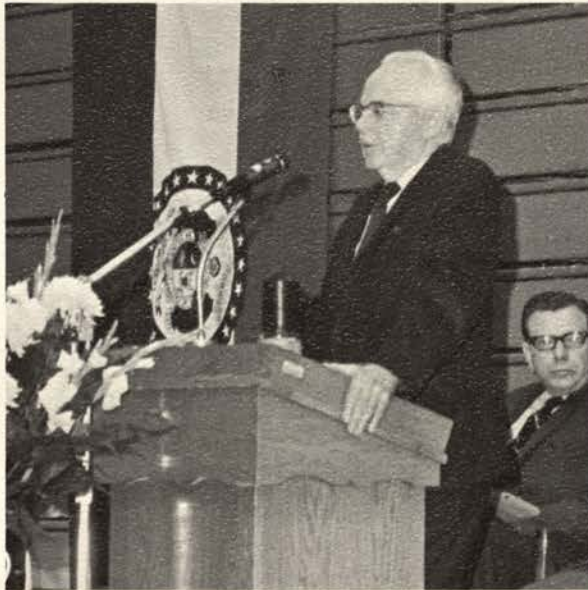




Prof. Karl Moulder, Rollamo faculty advisor, introduces Fred Conway, well-known artist, at the Founders' Day banquet.



Dr. Aaron J. Miles receives a check for \$1000 from Max Schellman, Rollamo editor. The money was raised from the sale of mini-mural prints to help finance the Student Center.



Dr. Elmer Ellis comments on the University's progress in the last 100 years at the afternoon ceremonies.



Fred Conway, main speaker at the Founders' Day banquet, points items of historical interest to Prof. Karl Moulder, Max Schellman, and Randy Richards.

Chancellor Baker and the Rolla postmaster witness the first UMR Centennial cancellation of a stamp on a letter addressed to President Weaver.



Jim Murphy, President of the Alumni Association, and Dr. Baker inspect the centennial flag after it was unveiled at the morning ceremonies.











## St. Pat's 1970

St. Pat's is the time of the year when students take a break from the hum drum of classes and school work to celebrate the feast of the patron of engineers. Good ole' St. Patrick! What a guy!

UMR students really think a lot of St. Pat. They like him so much that for a week before he arrives the freshmen carry shillelaghs to rid the area of snakes and other slithering creatures. And, much to the dismay of many of the Miners' sweethearts, students begin preparing for St. Pat months in advance by growing beards in his honor.

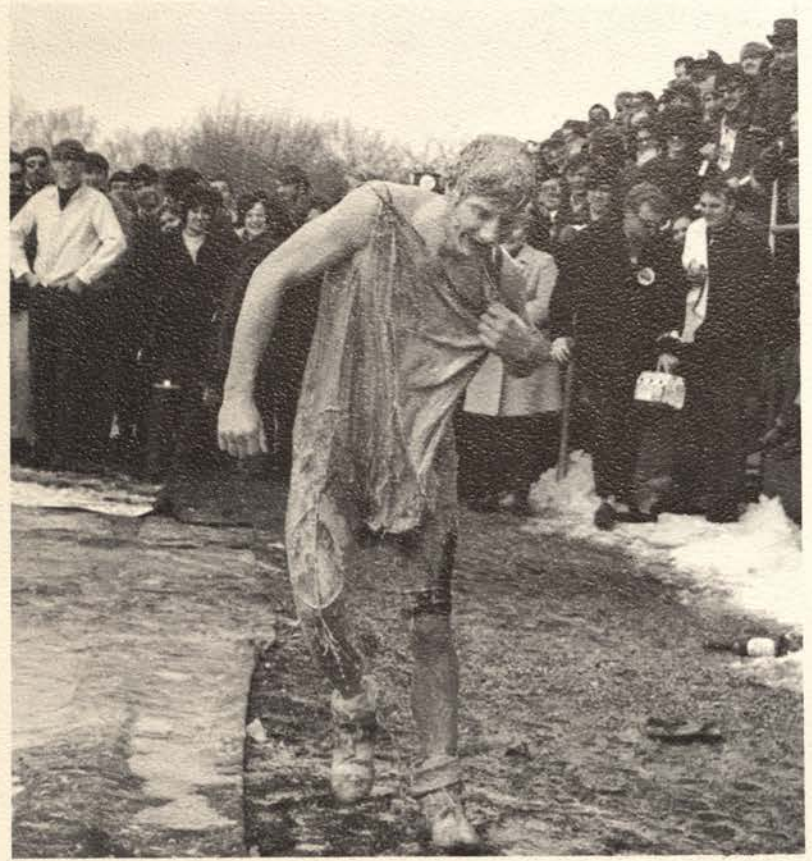
St. Pat brings that good feeling to Rolla with him every year when he arrives, and the warmth and friendship is in the air throughout the entire fun-filled weekend.







Accepting the punch bowl for first place in the St. Pat's float contest from Virgil Flannigan is Dave Viox of Phi Kappa Theta.



Matt Rupp of Phi Kappa Theta appears to have been overcome by the green goo which was used for the knighting ceremony on Saturday afternoon.



Enjoying Sigma Nu's non-float entry depicting the happy family, the crowd smiles on the cold, chilly Saturday morning of the St. Pat's parade.



# St. Pat's float contest won by Phi Kap

The weather was poor but the turnout spectacular for this year's St. Pat's parade. Onlookers consisting of students, guests, and Rolla citizens, witnessed another success in a long line of successes for this annual event.

Leading the parade was the traditional manure spreader of St. Pat, which followed the green stripe laid down by the Board. Close behind were the various bands, floats, and assorted entries which helped add color to the event.

Phi Kappa Theta carried away first-place honors in float competition with their depiction of "Happy Centennial UMR." A huge rotating birthday cake flanked by an animated St. Pat and Joe Miner, were the main figures on the float. Second was Beta Sigma Psi with "Engineering Dream," and "Dawn of a New Era" by Pi Kappa Alpha was third. The originality trophy was awarded to Kappa Sigma for their "UMR Time Machine," and Prospectors Club was noted for their workmanship of "A Proud Heritage."



Charlie Tuna seems to be a little under the weather as he hands Gene Dawson a trophy to be awarded at the Saturday afternoon Sam and Dave concert.

At the coronation ball on Friday night, six dignitaries were made honorary knights of St. Pat. Here one of them is dubbed-in.







The arrival of St. Pat by railroad on Friday afternoon has always been a welcome sight to the students of UMR, who are his loyal and faithful supporters.



Bright-eyed St. Pat, portrayed by Teke's Eric Dunning, watches the drinking and shillelagh contests held at Lion's Club Park on Friday afternoon.

This date of a St. Pat's representative from Theta Xi enjoys the Friday afternoon activities at Lion's Club Park as she checks over the cudgels.



## Over abundance of snow welcomes St. Patrick

The "luck-o'-the-Irish" faltered somewhat this year and St. Pat's loyal subjects had the misfortune of being greeted with an overabundance of snow just days before the celebration. Even with this pre-weekend damper, St. Pat's was again a complete success, thanks to the enthusiasm of the spirited Miners.

The festivities officially began at Lions Club Park on Friday afternoon. After the various contests, drinking, beard, and shillelagh judging, attention shifted to the Coronation Ball, where Pi Kappa Alpha's Miss Mary Beth Ruggeri, was crowned Queen of Love and Beauty.

Saturday saw a St. Pat's parade, accompanied by frigid temperatures. As always, the floats were beautiful and competition was keen. Drinking their way into the afternoon, UMR students faithfully observed the knighting of the honored young men chosen by their respective organizations to meet St. Pat first hand. The highlight of the day, however was the St. Pat's Board General Lecture, featuring the "soul" of The Sam and Dave Revue. A capacity crowd flowed into the Multipurpose Building to listen, after which they prepared for and celebrated at the various Saturday night-Sunday morning parties. Sunday proved to be a day of recuperation and reflection of another great St. Patrick's Weekend Celebration.



St. Pat, Eric Dunning, and paige, Greg Kotys, march down Seventh St. in search of the Top Hat Lounge and some free green refreshments.





St. Pat takes a good look at Pi Kappa Alpha's fine second place entry in the shillelagh contest on the cold wintry Friday afternoon.



Two Theta Xi brothers pose with a brother's sweetheart, who mocks Cleopatra's mummy, St. Pat's style.



St. Pat reaps the benefits of his position of high esteem, as "weird" herald, Charlie Laderoute, calls for another round of the golden.

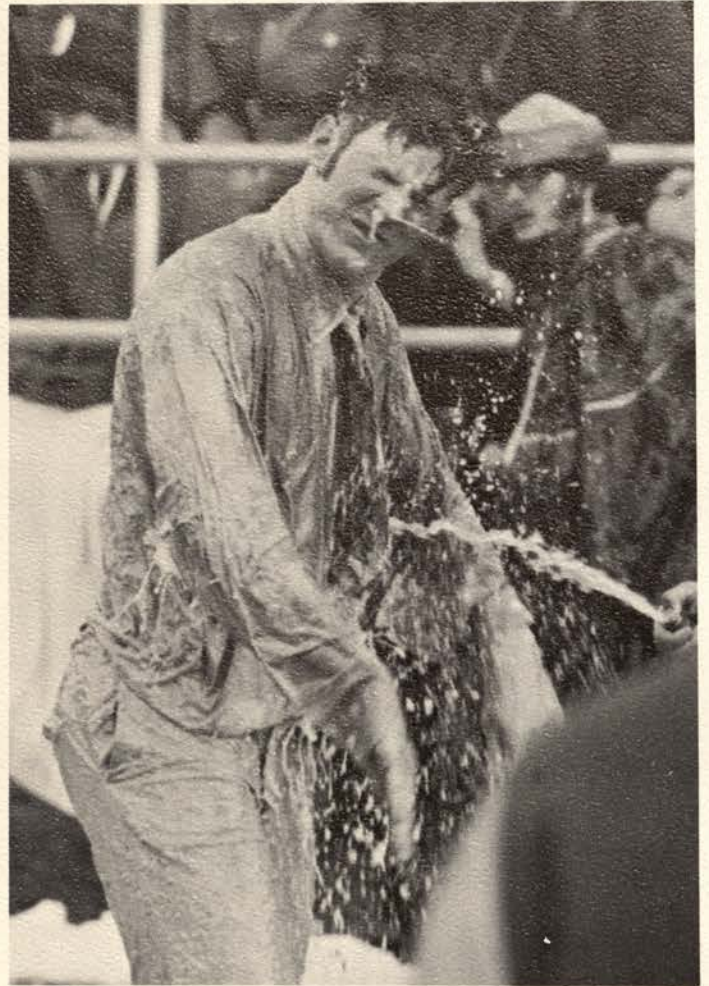


The men of Sigma Tau Gamma pose proudly with their cudgel which took first place in the shillelagh contest.





St. Pat and the rest of his royal court pose in front of the throne which was the scene of the crowning of the Queen of Love and Beauty on Friday night.

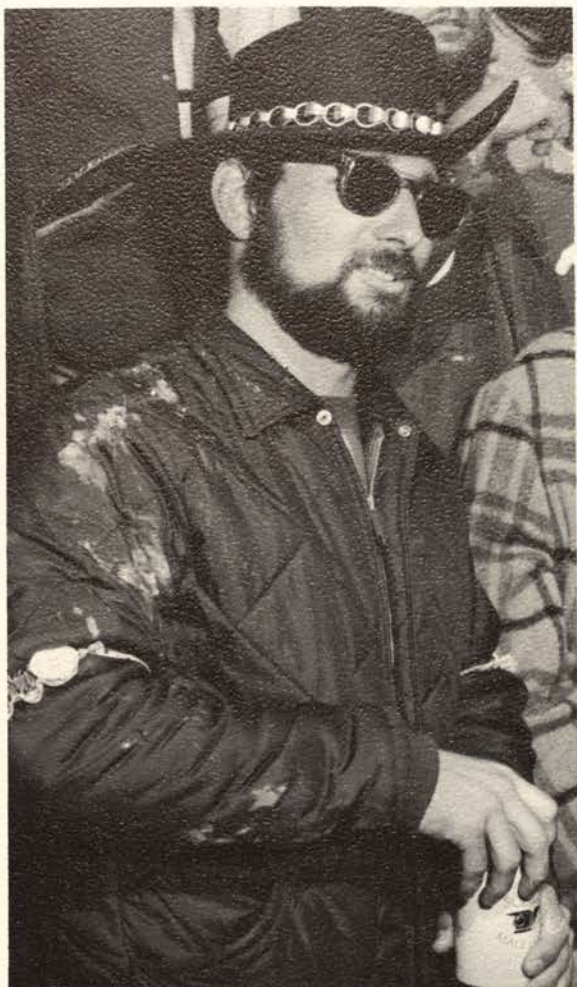


Having received his just desserts from St. Pat, Jim Duresky of Kappa Alpha "shakes it off" so his date might be able to stand him.

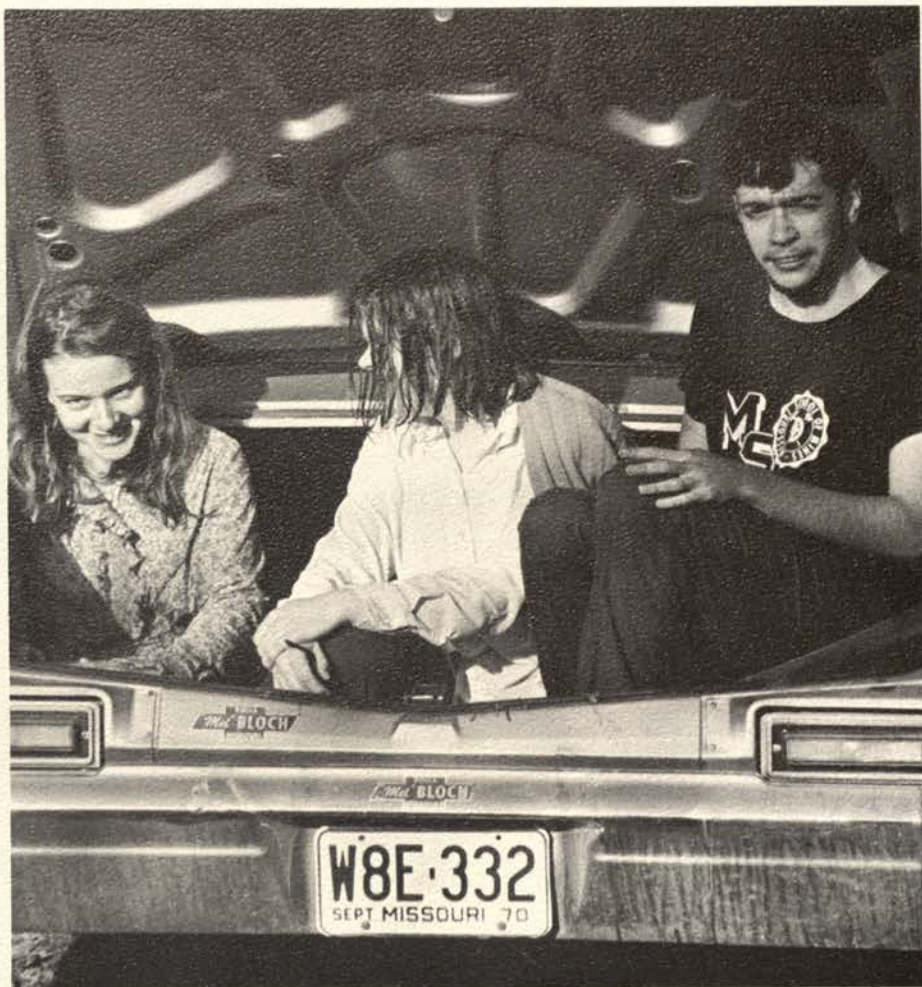


John Kruger of Kappa Sigma receives the consolation trophy for Kappa Sig's fine entry in the float competition.





As part of the great tradition of St. Pat's festivities, many students grew beards to get a feel for the action.



Some of the students didn't grow beards, and as a result enjoyed the cool, clear freshness of the beautiful Frisco pond and other bodies of water surrounding Rolla.



Welcoming St. Pat on Friday afternoon, many Miners adjourned to the Top Hat Lounge to partake of the green brew of the jolly Irishman.



Spending many hours readying their shillelachs for inspection, many freshmen came up with some real works of art.





Miss Mary Beth Ruggeri, St. Pat's Queen of Love and Beauty, sits high atop the huge Queen's Float built by the men of Sigma Pi fraternity.



As can be seen by the rear of MRHA's float, every entry in the float contest was perfected to the smallest, minute detail.



The float of MRHA depicted the UMR Miners' successful football team routing over another opponent by a very one-sided score of 87-0.



The highlights of UMR's last one hundred years are captured in Prospectors Club's float entry entitled "UMR-100 years of Progress."

Variety was added to the Saturday morning parade by the UMR cheerleaders, riding on the back of the pep band truck and performing numerous pom-pom routines.



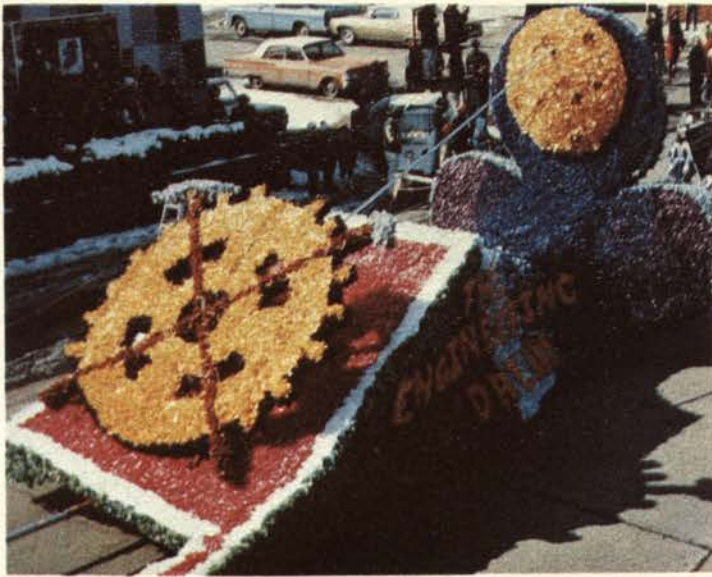




Pi Kappa Alpha's float entry, "Dawn of a New Era," exhibited the progress in the field of aviation from the Wright brothers to the present space program.



St. Pat's transportation for the St. Pat's parade is a manure spreader powered by a freshmen from each living unit organization.



"The Engineering Dream", entered and constructed by Beta Sigma Psi fraternity, finished second in the float competition.



Kappa Sigma's float entry was unique in that it had a taped commentary of the progress of the last 100 years with St. Pat telling the story.



Riding in the locomotive assembled by Tau Kappa Epsilon, the Missouri Miner chugs along the path of progress.

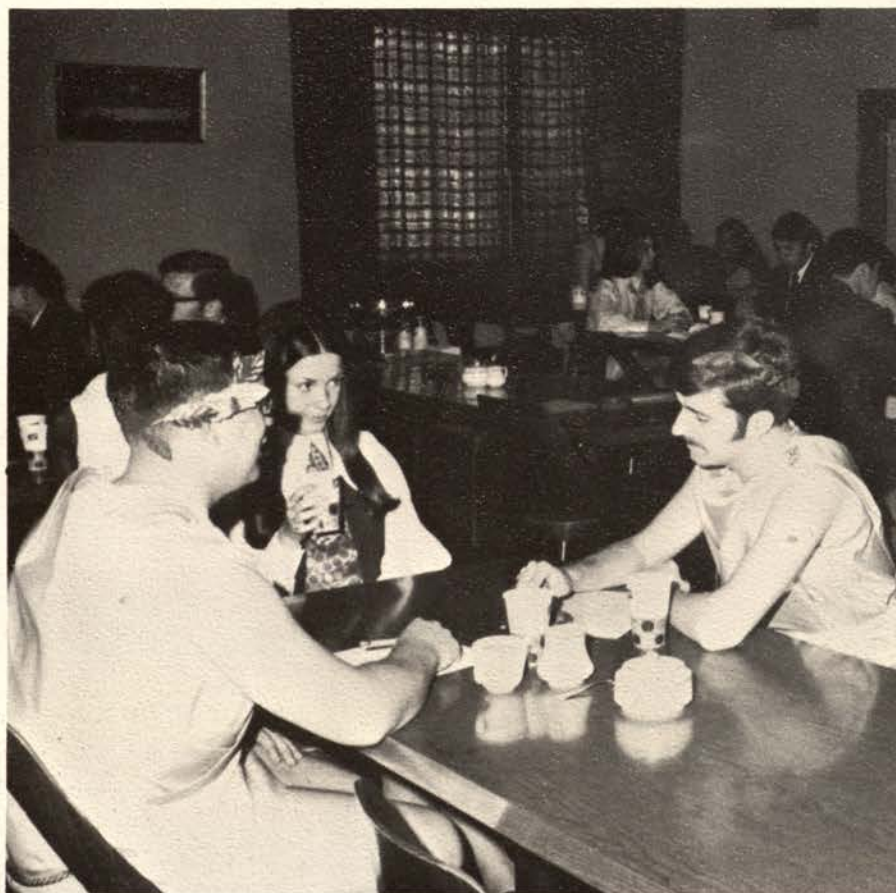


Phi Kappa Theta's "Happy birthday UMR" placed first in St. Pat's float competition and the hard work spent paid off.

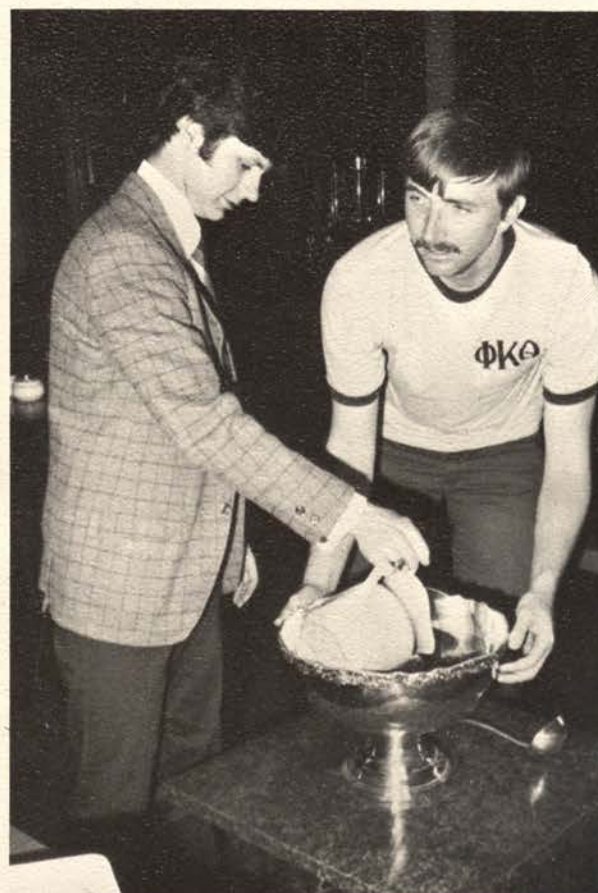




Assuming the almost deceivable disguise of Greek gods, these IFC members and queens were elected to rule with wisdom and justice over Greek Week.



At the queen's tea on Friday afternoon, Lambda Chi's candidate, Mary Cox, was interviewed by all of the IFC representatives and was selected as Greek Week Queen.



Dipping the golden nectar from the goblet of the gods, Gary Wicke and Bob Brown prepare to serve the brew.



# The Elysian Fields is new site for Greek games

Greek Week 1970 began on Sunday afternoon with an outing at Lane Springs Park. Monday night the annual IFC Banquet was held in the Student Union Ballroom. Guest speaker for the evening was Gene McNary, Prosecuting Attorney for St. Louis County. At the banquet, awards were presented to houses excelling in various aspects of fraternity life, and Tim Vicente was named IFC Man of The Year. Friday evening the Greek Week carnival was held at Lions' Club Park and all Greeks and other UMR students turned out to make this event a success. Proceeds from the carnival went to Boys Town of Missouri in St. James. Also at the carnival, it was announced that Lambda Chi's Mary Cox had been chosen Greek Week Queen 1970.

Everyone traveled to the newly acquired "Elysian Fields" to take part in the Greek Week games on Saturday afternoon. This was the first year that the games were held at the "Elysian Fields" and, despite some speculation about the adequacy of the facilities, all Greeks were more than satisfied with the new location. Many new games, such as the keg throw and the egg-eating contests, were initiated at the games this year.



Providing a new site for the Greek Week games, the Elysian Fields proved to have a large enough area to accommodate all greeks and their dates.



John Stucker, smiling with pride after winning a small stuffed animal for his date, Linda Wollard, eagerly hurries to another booth.



Receiving an award for outstanding service from Fall IFC president, Timothy Vicente, Prof. Bob Wolf, former IFC advisor, grins proudly.

Drawing huge crowds to their booth, "Under the Big Top," the Beta Sigma Psi were rightly proud of their accomplishment.



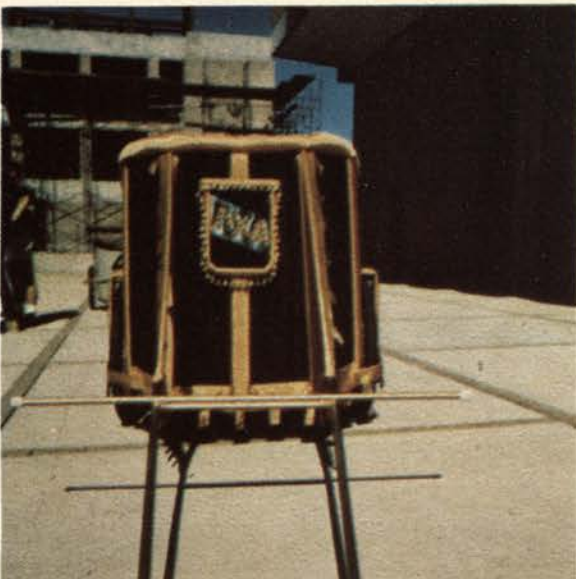


# Bright sunny day makes Greek Week a success



Lambda Chi Alpha won their first heat in the chariot race by squeezing past Delta Tau Delta and Kappa Alpha in a very close and exciting contest.

At the chariot judging in front of the library on Saturday morning, Lambda Chi's chariot won the first place honor.



Basking in the sun, all greeks were well-satisfied with the new location for the games and look forward to another Greek Week next year at the Elysian Fields.

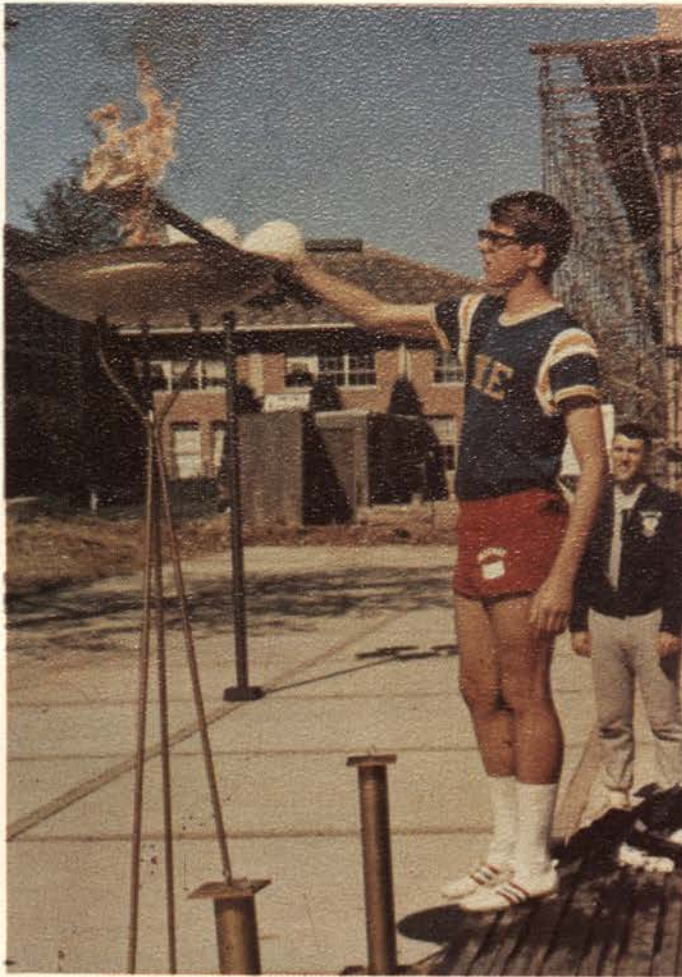
Lots of good food was enjoyed by the greeks, as this A Phi A and his date will attest, as they dig in to some good cooking and plenty of dessert.



Straining to use every muscle, this greek gives it all he's got in an attempt to win the keg throw, one of the newly added games.







Lighting the torch from the "eternal" flame, this Teke prepares to run his leg of the relay of the torch out to the Elysian Fields.



Showing fine workmanship, the Kappa Sigma booth at the carnival won first place by taking in the most money at the Friday event.

Ruling over the greek games is quite a chore, as these greek gods and goddesses show by taking a breather at the Elysian Fields.



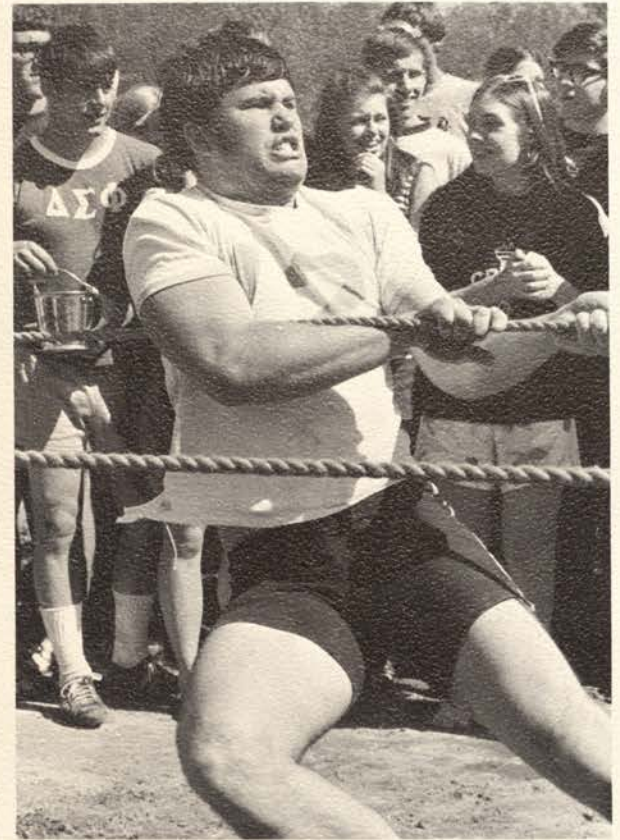
Thanks to generous greeks and their dates, like these, over \$1900 was raised, from the carnival on Friday, for the Boys Town of Missouri at St. James.







Offering a toast to the populace, Zeus, John Harris of Triangle, wishes fair weather on Greek Week, as other residents of Mt. Olympus join in his timely proclamation.



Giving his all in the tug of war contest, this Delta Sig receives plenty of support from his brothers and dates.



As Kent Mueller of Lambda Chi Alpha looks on, a couple exhibits the finer points of a great wheel barrow team in the heat of strong competition.

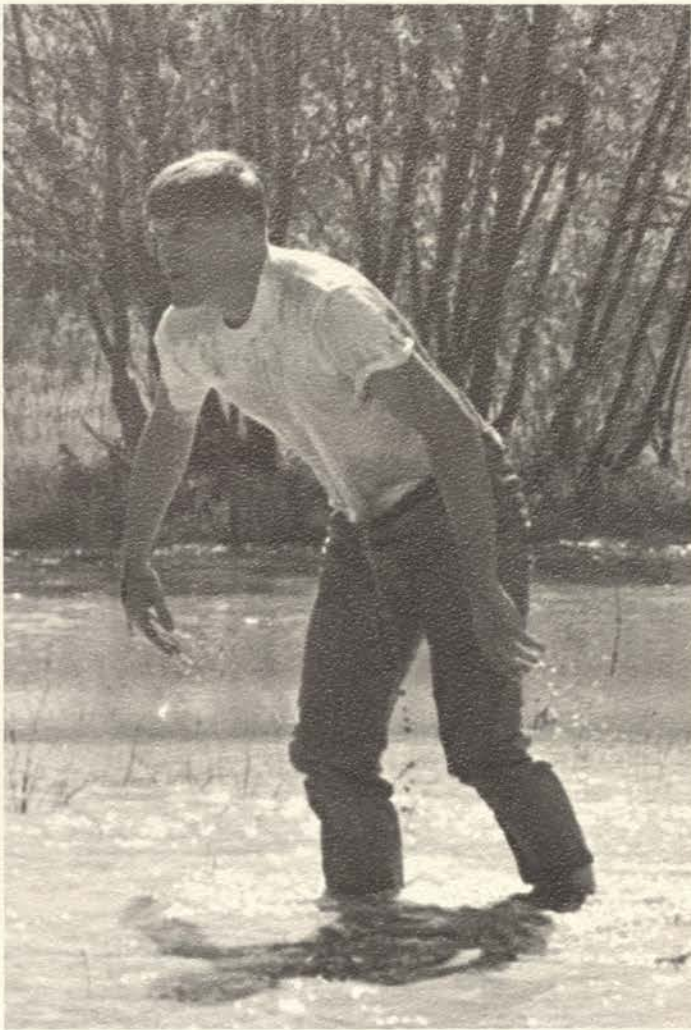


Heaving the beer keg high into the air, Dave Steger from Phi Kappa Theta demonstrates the form necessary to guarantee a good finish.

Greek Week, with its many parties and other activities, can be a very exhausting experience, as indicated by these two.



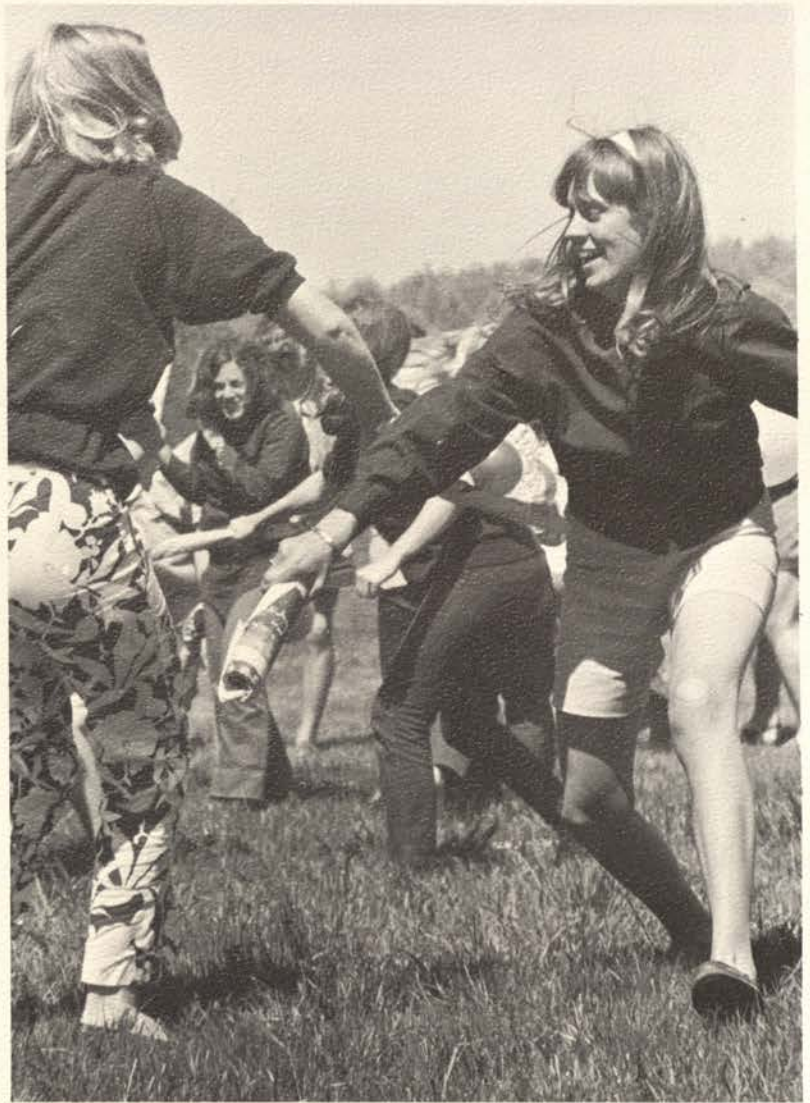




No matter where the Greek Week games are held, the freshmen always manage to reward the graduating seniors with an unwelcome bath.

Eagerly awaiting the proclamation from Zeus to "let the games begin," these Delta Sigs and dates talk of the day's many activities.

As the warm sun shines down on the green Elysian Fields, balloon-on-the-bottom-burst contestants engage in the heat of battle with worthy opponents.



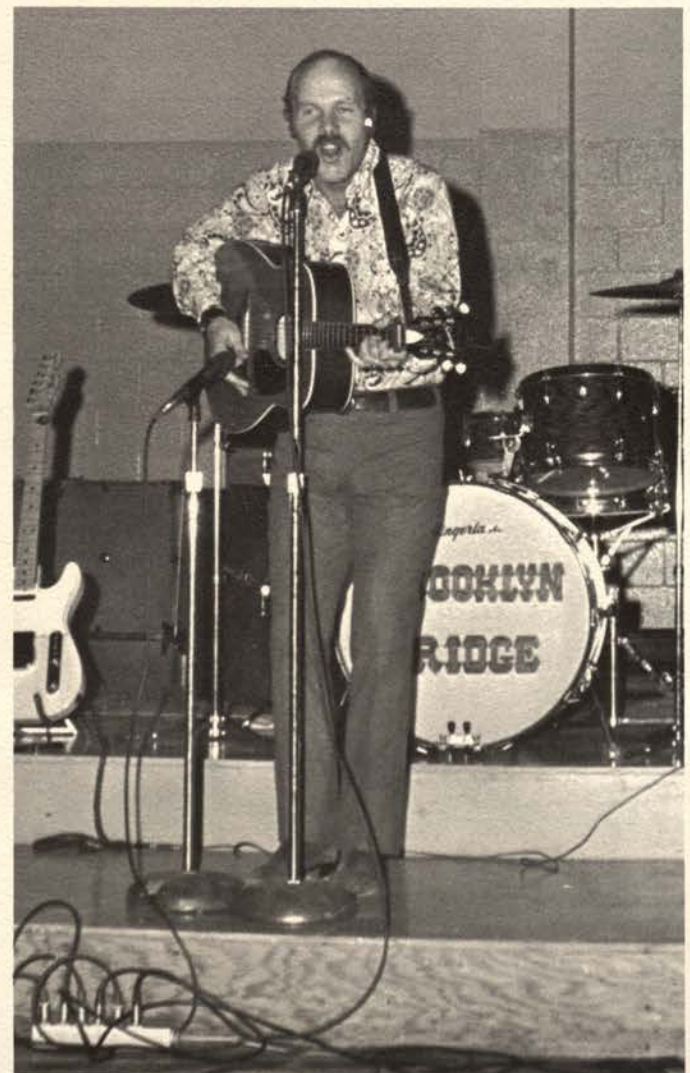




Kicking off a new year of general lectures, "The Brooklyn Bridge" staged a captivating performance in the Multi-Purpose Building before a large crowd.



During their performance of "Grazin in the Grass," the Friends of Distinction brought up Jan Frassrand, a UMR coed, to join them in singing the night away.

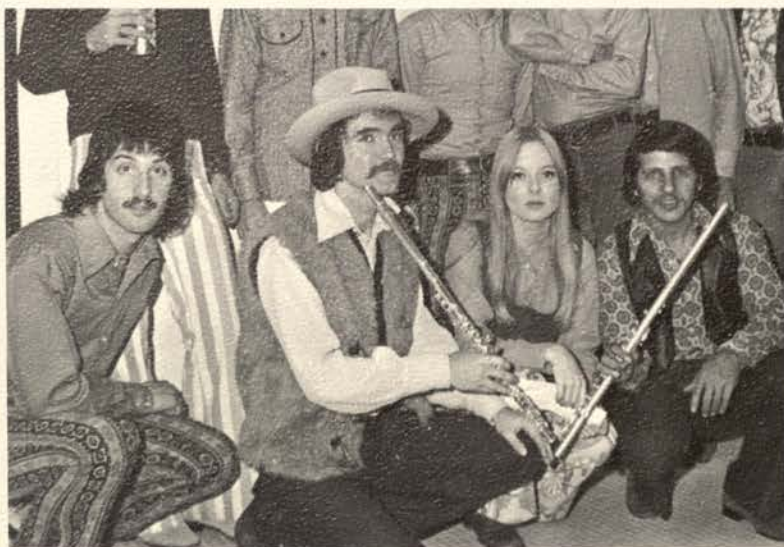


Preceding the Brooklyn Bridge general lecture, Mike McGinnis, a very talented folk singer, entertained the audience with his own songs.



# General Lectures give great entertainment

The Student Council General Lectures program broke ground this year with the sounds of the Brooklyn Bridge. The versatile group entertained a large crowd in the Multi-Purpose Building. The next performance came a few weeks later when the Friends of Distinction appeared and brought with them the interesting contemporary harmonies wafting from the West Coast. A number of other groups brought relaxation to the Miners; among these was the Kansas City Philharmonic conducted by Hans Schweiger. "Mini-concerts" were held throughout the year and presented such performers as The Albins, a folk singing couple, and Don Cooper, guitarist. Overall, the general lectures provided great entertainment for students desiring to escape from their studies for a few hours of relaxation.



Posing for a picture after their show are three members of the Brooklyn Bridge, Tom Sullivan, arranger, Carolyn Wood, organist, and John Maestro, singer.



The Albins, a husband and wife folk group, entertained about 200 students. Their performance included a bit of comedy material.



The Friends of Distinction were preceded by a comedian named Fred Smoot. Smoot provided a very hilarious imitation of a motorcycle hoodlum on his "hog."

Singing a number of selections from their debut album, "Grazin," the Friends of Distinction composed of Harry Elston, Barbara Jean Love, Jessica Cleaves, and Floyd Butler, entertained the Miners well.

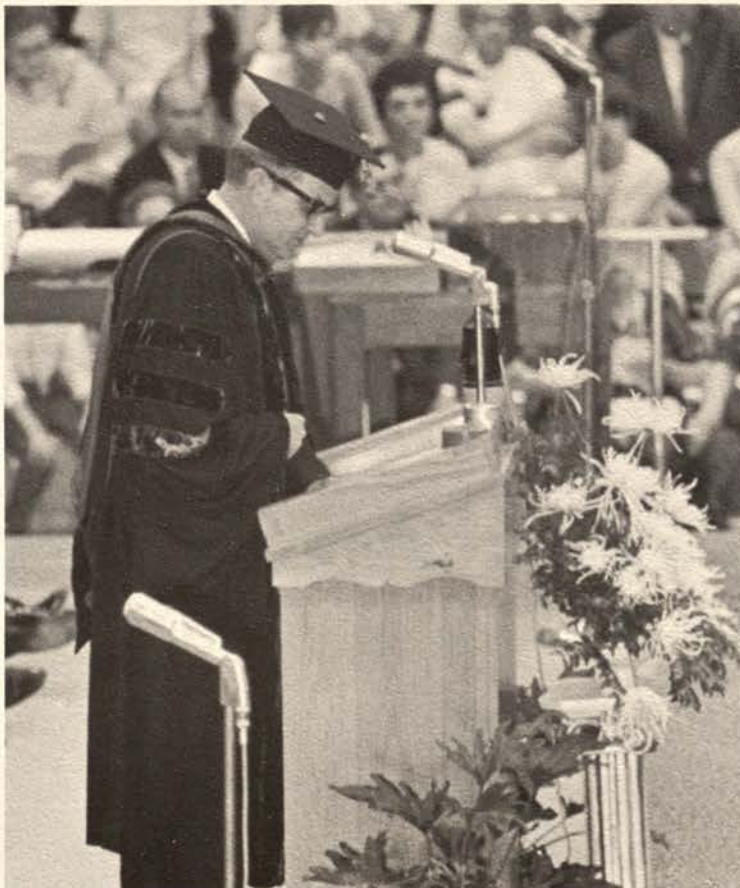




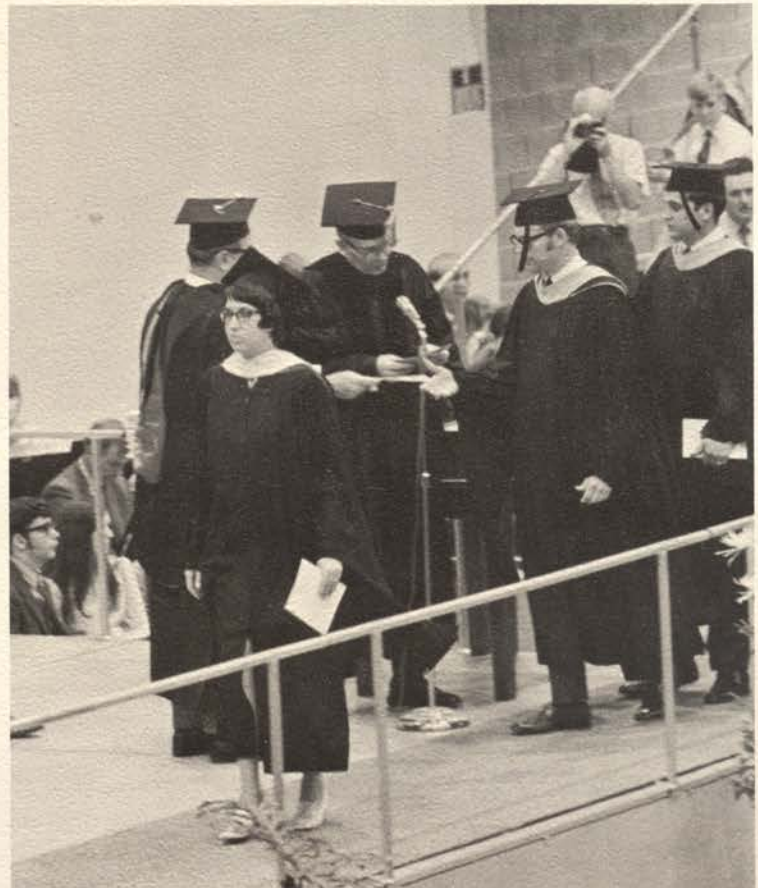


Anxiously awaiting that proud moment of receiving their degrees, these future leaders of society listen intently to the comments being made from the podium.

John Weaver, President of the four campus system, makes opening remarks at the ninety-eighth commencement exercises in the Multi-Purpose Building.



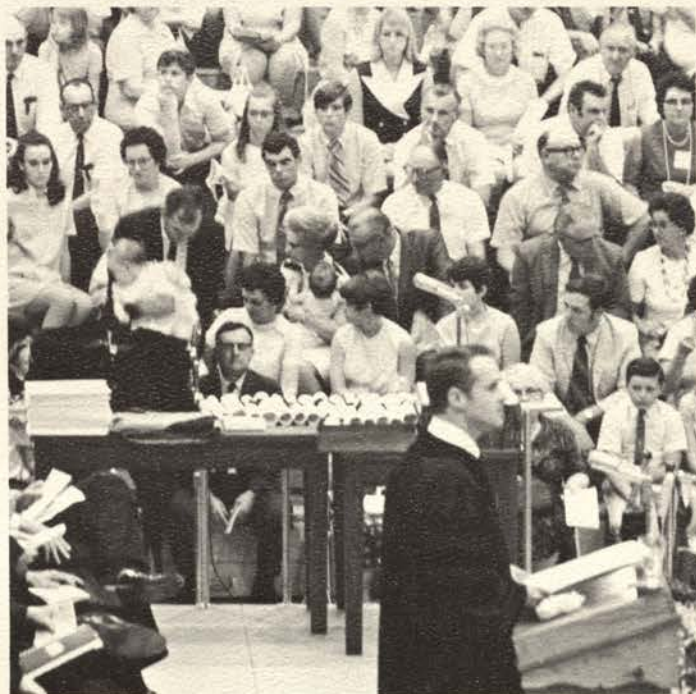
Working so hard for four years seems to be more than worth the effort when the day of graduation finally arrives and it's all over.





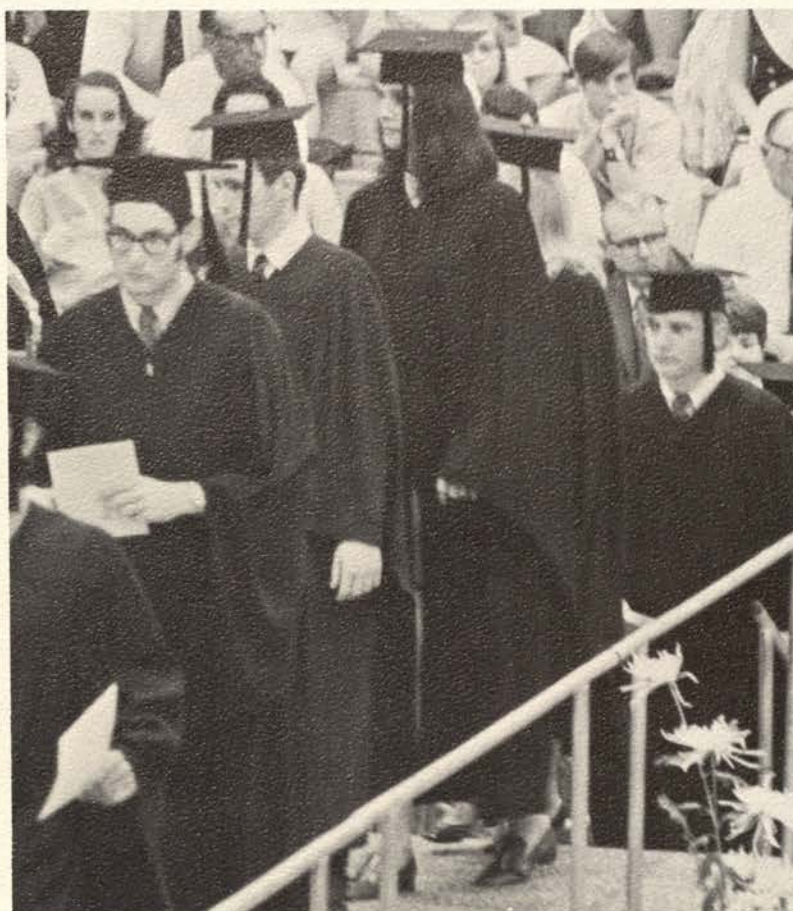
# Record number of degrees are conferred

The ninety-seventh and ninety-eighth Commencement exercises were held in the Multi-Purpose Building. Filling the 5500 seat auditorium to capacity, parents and friends gathered to honor the graduates. This year, 892 B.S. and B.A. degrees were conferred. 302 Master of Science degrees were received, and 49 received the Doctor of Philosophy degree. In addition, two men, Gilbert Shockley and John Soult, received Honorary Doctor of Engineering degrees. Professional degrees were conferred on 12 former UMR graduates who have demonstrated outstanding achievement in their chosen fields.



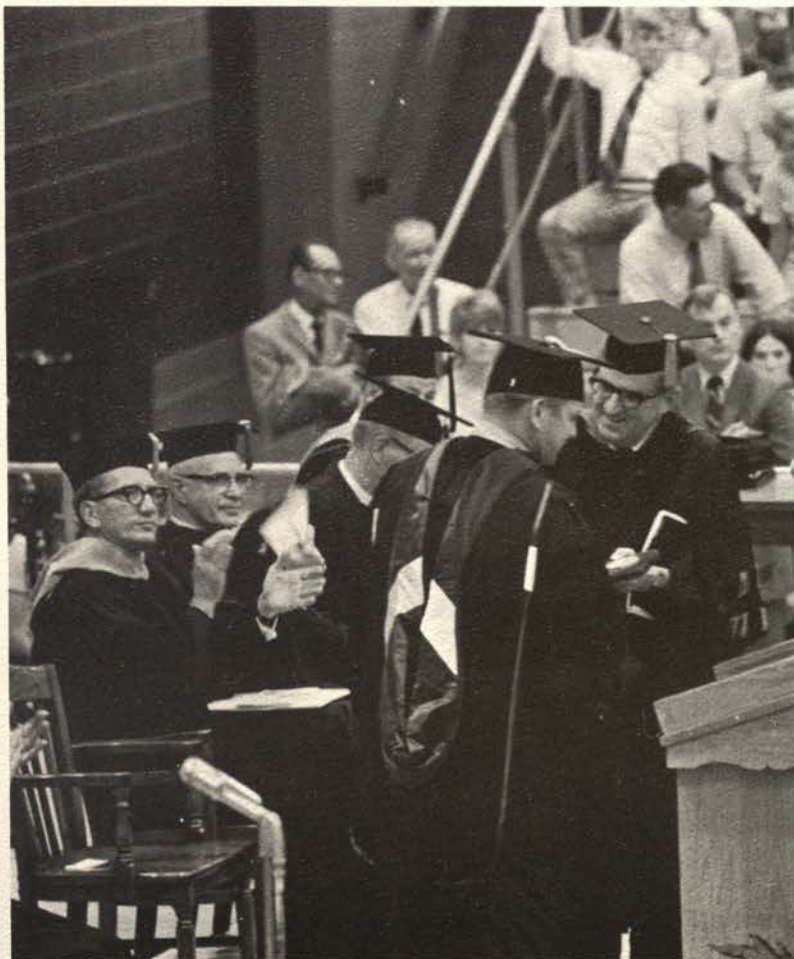
In his speech, Senator Tom Eagleton enumerated the many problems which the graduates will face in the ever-changing world.

Judge Williamson, newest member of the Board of Curators, extends a bid of welcome to those present from the University.



As the many graduates file through to get their diplomas, a crowd of parents and friends look on in the close quarters of the Multi-Purpose Building.

Dr. Weaver presents a professional degree to a worthy recipient for outstanding excellence in a particular area of engineering accomplishment.











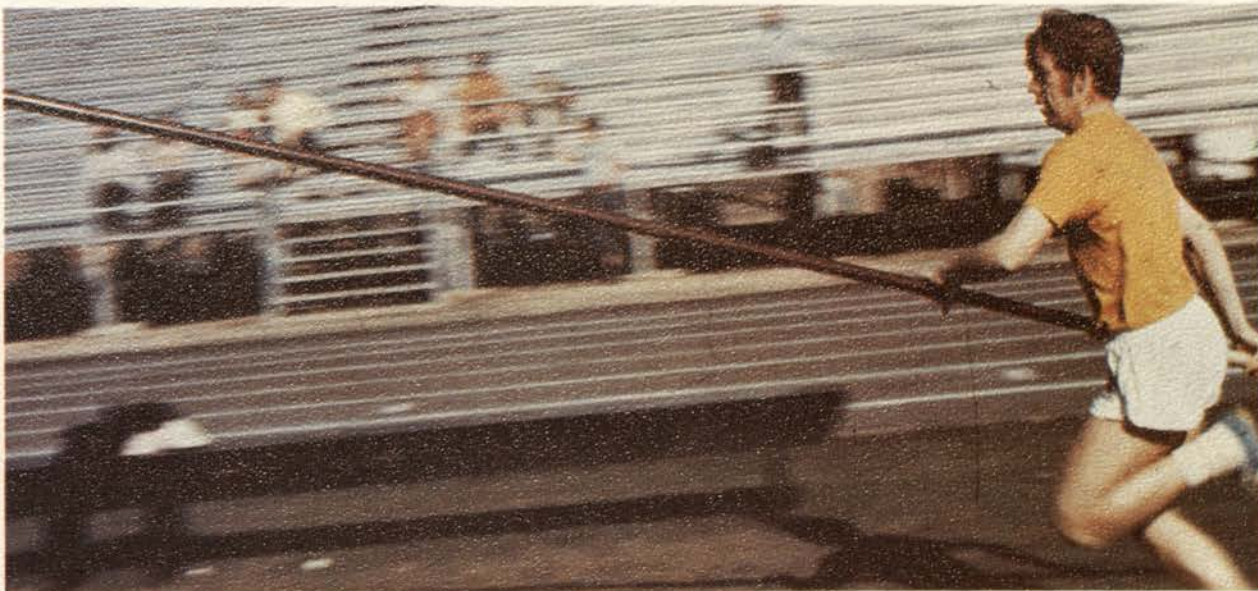
# Sports











Frank Winfield chosen for Kodak Coaches All-American team . . . Multi-Purpose Building helps develop teams . . . Swimming team fourth in league after five year absence from program . . . Freshman Kent Gastreich named to All-American rifle team . . . Bob Hurt selected to second team All-MIAA . . . Engineers Club wins intramurals for second straight year . . . Sigma Phi Epsilon wins intramural consolation trophy . . . Rifle team ranked in top five in country . . . Ten footballers receive MIAA recognition . . . Rick Marshall on All-American swim team, takes a fourth and a sixteenth in NCAA meet . . . Wrestling team has fine rookie season . . . Ron Griesenhour named "Intramural Athlete of the Year" . . . Leonard Stout remains top javelin thrower in MIAA . . . Gridders post 7-2 record, best league record since 1935 . . . Recruiting for top notch players continues . . . Basketballers improve under Key's tutelage . . . Gary McAlpin named most valuable wrestler . . . Baseball team rookie Dwight Stack named most valuable player . . .







Enacting the proper quarterback-center setup, Jane Melson and Vicki Hosfeld prepare to run a touchdown play.

In their 38th year, the Marching Miners are under the direction of Mr. Oakley and Mr. Kramme with Jim Thomas as drum major.

## Cheerleaders and band promote school spirit

The cheerleaders, under the direction of Wendy Waters, did an outstanding job to promote school spirit for the athletic contests. The cheerleaders did most of the work in making arrangements for the pep rally held the Friday night of Homecoming Party Weekend. For the game at Kirksville, the cheerleaders made arrangements for students to ride busses to help cheer the team on to a possible victory. During the basketball season, the cheerleaders worked with the Pep Band in developing spirit at the basketball games. They also worked up some dance routines with the music of the Pep Band. Along with the Pep Band, the cheerleaders, won the prize for the non-float entry in the St. Pat's Parade. The cheerleaders also acquired new silver and gold uniforms this year which will be similar to the new football and band uniforms.

The UMR Marching Band under the direction of Mr. David Oakley and Mr. Joel Kramme, gave some of its best performances. The band, on line with the Centennial Celebrations, sponsored a contest to obtain a fight song for the school. The prize was set at \$10 with the football team being the judges. The winner was "Fight Miners" written by Harold Cleveland, director of the Rolla High Orchestra. The song was performed for the first time during the pre-game show at the Homecoming Game. The band also traveled to Kirksville with the team, where they joined forces with the Northwest Missouri Bulldog Marching Band to give a most entertaining halftime show.







The Marching Band forms five diamonds as the band plays selections from "Sound of Music" while the Homecoming Queen is being announced.

Leading the Miners in a spirited cheer, the cheerleaders added enthusiasm and excitement to all of the UMR football games both home and away.



The vivacious Miss Vicki Hosfeld exhibits some of the exuberance which gained her her position.







FIRST ROW: Klein, C., Williams, B., White, F., Winfield, F., Zaborac, A., Stout, L., Lane, E., Oliver, L., Grawe, J., Miller, R., Stroud, J., Hearst, M., SECOND ROW: Long, K., Kutska, S., McAllester, D., Moore, M., Arant, S., Murphy, B., McVeigh, S., Smith, D., Passantino, J., Milfelt, B., Somerville, B., Hanstein, E., Williams, D., Berry, B., Walker, S., Godwin, P., Pitt, D., THIRD ROW: Jensen, J., Hunsiker, G., McClain, G., Ajhar, B., Thurman, G., Tibbits, M., Key, J., Darrow, D.,

Crow, M., Quaranta, K., Coulter, K., McAlpin, G., Clark, L., Spaur, A., FOURTH ROW: Long, D., Haverstick, M., Kramer, R., Cortipassi, S., Weakley, M., Doering, D., Williams, T., Kubiak, S., Christ, R., Gould, M., Blaco, C., Keil, G., Chatman, J., Smart, E., Pelech, C., Pyle, H., Anderson, G., FIFTH ROW: Cook, G., Flentje, B., VanNostrand, B., Florence, K., Allgood, D., Mercier, B., Finley, C., Keeton, J., Taylor, C.

## Outstanding 7-2 mark posted by Miners

In a very successful 1969 football season, the Miners amassed several all-time records. Larry Oliver led in the record-breaking race as he caught 15 TD passes in his career. He has caught more passes for more total yards than anyone in the history of the school. Les Clark shattered the record for most carries in a year with 203. Bob Berry set a new record for most touchdowns in a season, and eclipsed the touchdown rushing mark with 10.

The Miners scored 255 points, 34 more than the previous high. Their record of 7-2 is their best since the MIAA began in 1935. The Miners scored 2 more touchdowns than the old record of 34, also kicked 29 PAT's, 6 greater than the old mark. Fred White, Ed Lane, and Joe Passantino tied for the record in interceptions with 7 each. Bob Berry and Larry Oliver tied for the scoring title with 66 points apiece, as they broke the old record.

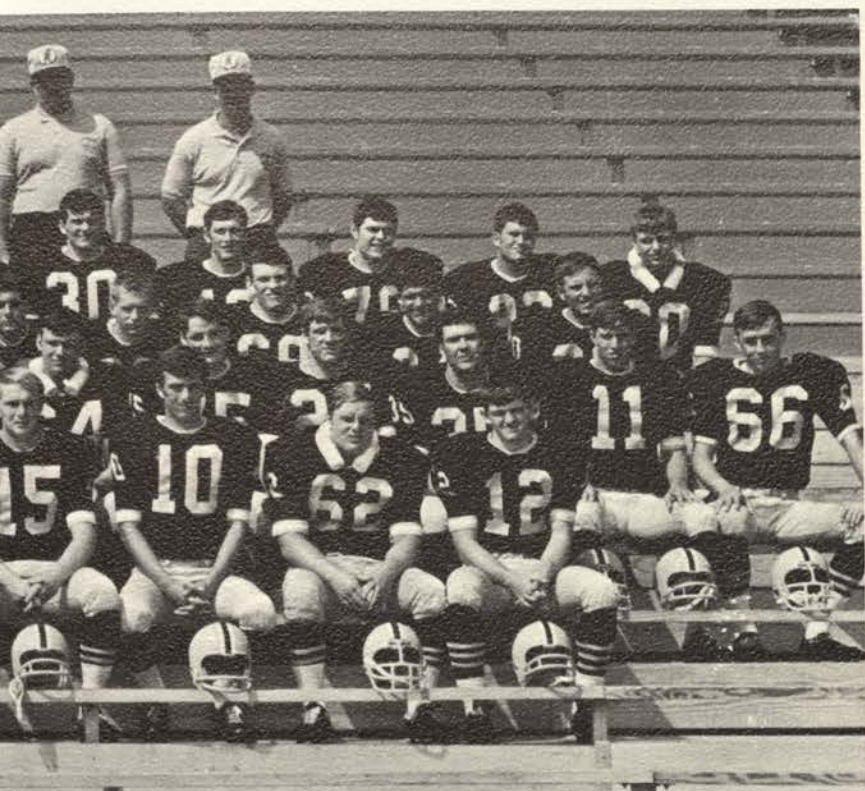
Four members of the squad made the first team All-MIAA team, while 10 members were given recognition. Larry Oliver and Frank Winfield were honored on the first offensive team as were Hanstein, Lane, Stout, and White on the defensive unit. Alan Zaborac and Bob Berry received second team offensive honors, while Joel Stroud and Passantino were named to the defensive unit. Steve McVeigh, Bob Somerville, Dennis Smith, and Les Clark, all sophomores, were given honorable mention.

To cap an already outstanding season for the Miner squad, Offensive guard Frank Winfield was named to the Kodak Coaches' All American team.

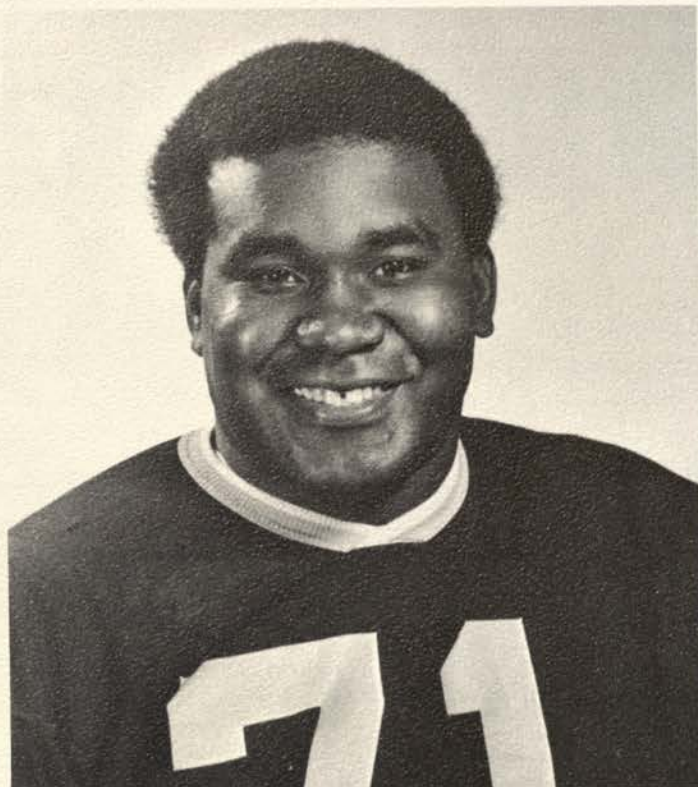


Running back, Leslie Clark, is hit hard by a Cape defender in the UMR Homecoming game which Cape won by a score of 32-24.





## All-American Frank Winfield

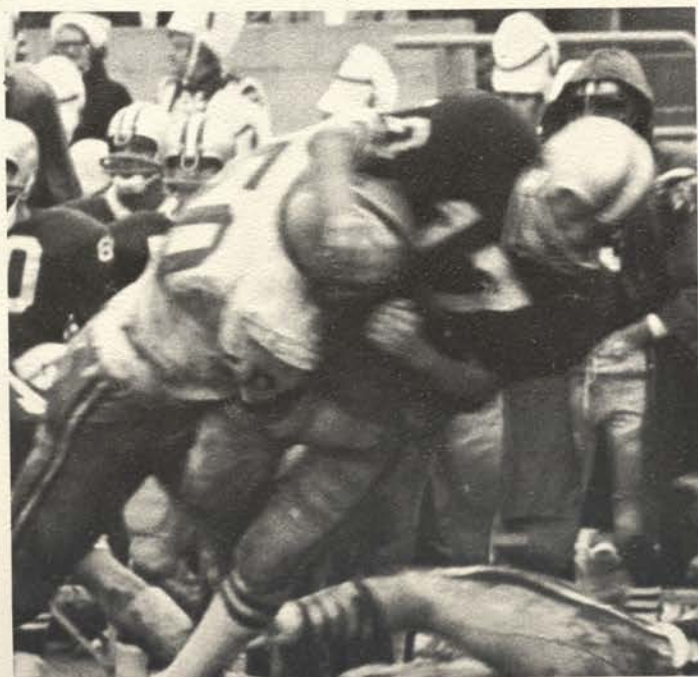


Offensive guard Frank Winfield was named to the Kodak Coaches' All-American team and the first team of the All-MIAA selections.

### SEASON RESULTS

| UMR | OPPONENTS                    |    |
|-----|------------------------------|----|
| 40  | Washington University        | 0  |
| 33  | Missouri Valley              | 14 |
| 42  | Bradley University           | 12 |
| 14  | University of Chicago-Circle | 8  |
| 24  | CMS-Warrensburg              | 0  |
| 24  | SEMO- Cape Girardeau         | 32 |
| 14  | NEMS-Kirkville               | 21 |
| 20  | NWMS-Maryville               | 7  |
| 45  | SMS-Springfield              | 12 |

### MIAA CONFERENCE-THIRD PLACE



The Kirkville game was highlighted by hard-hitting and adverse playing conditions. Kirkville won the contest by a score of 21-14.



As Cape's halfback, Al Holmes, breaks through the Miner line, Fred White comes up fast from his defensive back position to stop him.





As the spectacular Miner defense pressured the shaky Washington University quarterback, he got rid of the pigskin in order to avert a loss on the play.

## Bears victimized by powerful UMR attack

The powerful UMR Miners successfully opened the 1969 football season by plastering Washington University 40-0. Bob Berry scored the first Miner touchdown of the season to break a scoreless tie. Twenty-five seconds later, Ed Hanstein recovered a fumble to set up a Jack Grawe to Steve McVeigh touchdown pass. After the Golden Horde stopped the Bears, Grawe capped a 61 yard Miner drive with a 28 yard paydirt toss to Larry Oliver. The fourth touchdown was set up by a Joe Passantino interception, with Bob Berry scoring his second touchdown of the day.

The third period was scoreless. Senior quarterback Ron Miller took over the signal calling and directed the Miners to two fourth period scores. Miller scored a touchdown on a 1 yard dive after a Bear fumble. Miller hit Ken Quaranta with an 11 yard toss for the final six points, after yet another Washington University fumble.

Jack Grawe hit 8 of 9 passes, good for 135 yards and 2 touchdowns. White intercepted one errant Bear pass and Passantino snared 2 of the alien aerials.

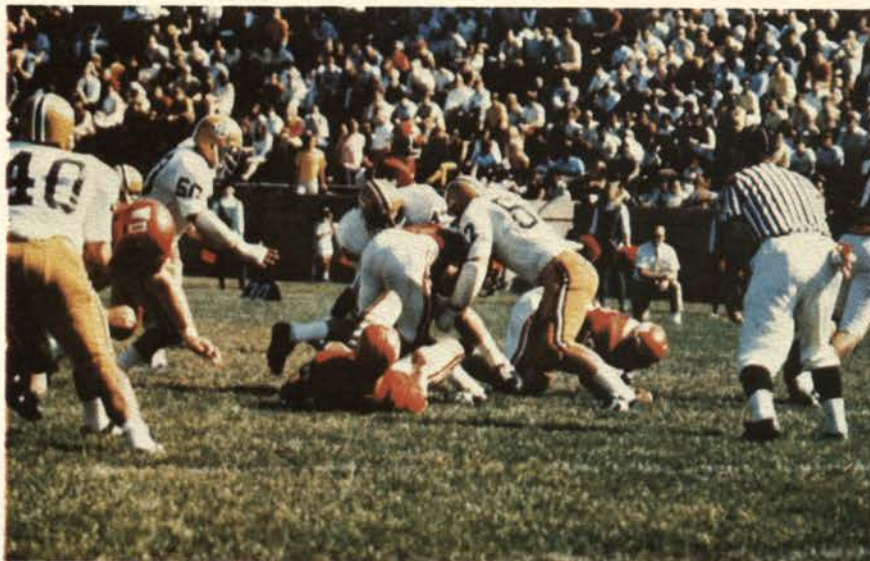


Brute force on the part of junior fullback Bob Berry enabled him to gain the vitally needed yardage for a clutch first down deep in Bear territory.



Sensational Miner flanker Larry Oliver got open downfield where Jack Grawe completed a pass to him before Larry was brought down.

As the Washington University player laid helplessly by, the UMR defensive unit congregated on the ball since the runner had no chance of escape from the savage tackles.



Fullback Bob Berry ran downfield for good yardage and a first down before being knocked down by a Bear player.







When the referee signalled six points for the Miners, the offensive unit congratulated one another as the Bears remained dazed.

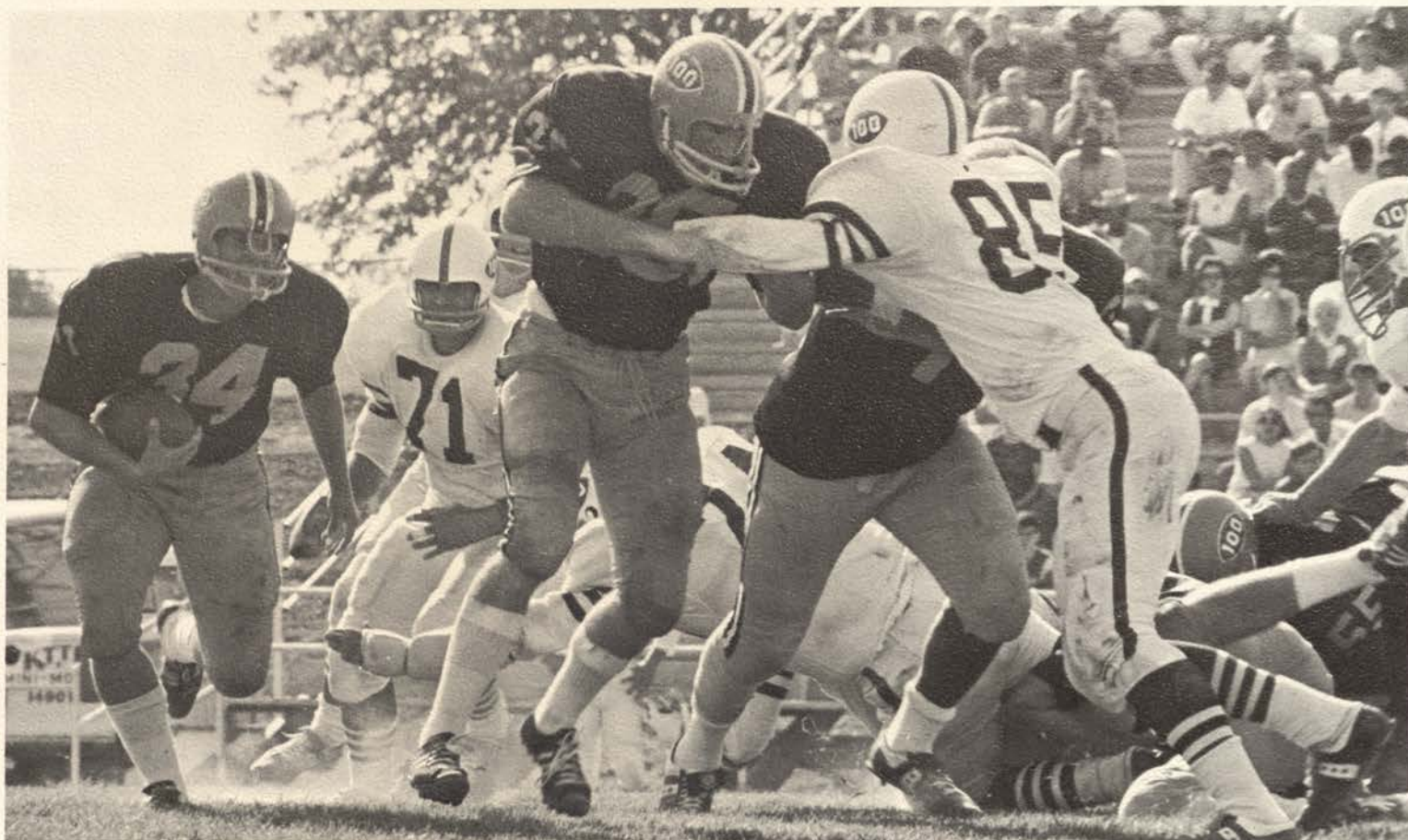


The powerful offensive scoring machine was relentless as they continued to apply the pressure to the hapless Bears.



Four year letterman Larry Oliver demonstrated his importance to the squad by kicking off, kicking field goals, points after touchdowns, and by playing flanker.





Behind the outstanding blocking of fullback Bob Berry, the grimacing Les Clark churned out important yardage in another Miner victory.



The Miner Golden Horde, led by All-MIAA defensive end Leonard Stout, held the Bradley Braves' ground game to an almost unbelievable minus 16 yards.



The Bradley halfback had found the path to payday a hard way to go as he solidly got smacked by the powerful Miner defensive back.

## Golden Horde subdues Bradley Braves' uprising

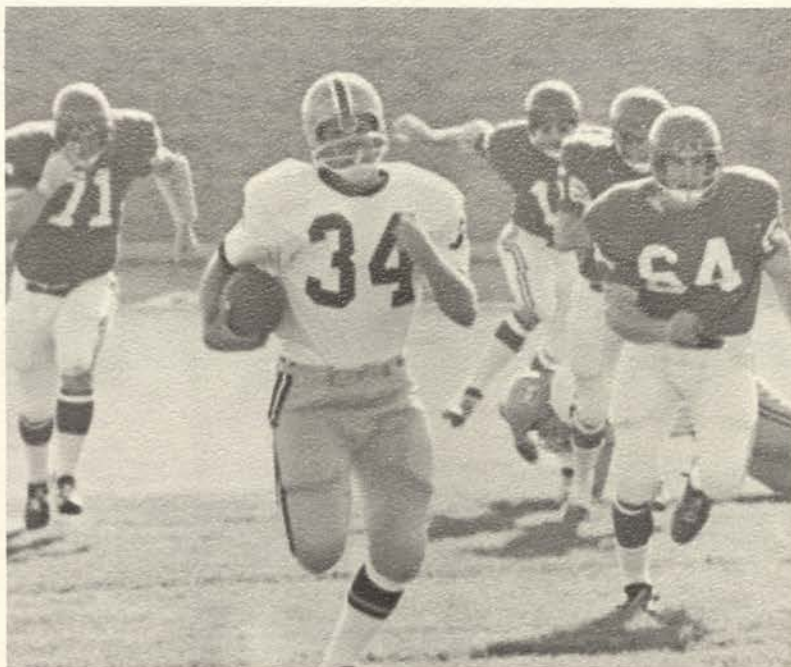
Ed Hanstein, Mike Moore, and Dave Williams led a hard charging defense which stymied the Bradley ground game, holding them to a minus 16 yards. Bob Berry put the Miners on the scoreboard first when he plunged 1 yard for a touchdown. After Leonard Stout blocked a punt, Jack Grawe hit Ken Quaranta for a touchdown covering 31 yards.

The final Miner score of the first half came when Ed Lane ran an intercepted pass back to the 3 yard

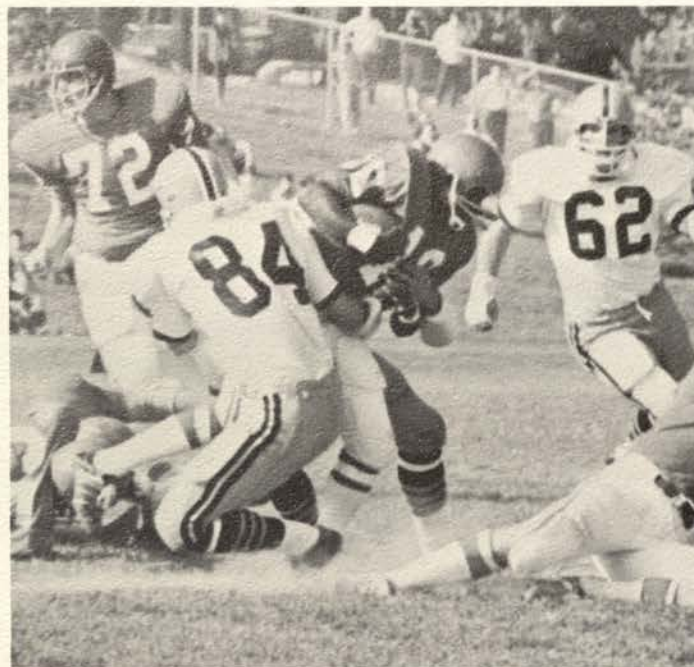
line, where Pat Godwin pushed it over.

In the second half, Les Clark scored his first collegiate points on a five-yard gallop. With the Miner offense now in high gear, Godwin scored his second touchdown on a 10-yard jaunt. The Braves scored on two quick touchdown passes from a shotgun formation, then again were thwarted in their futile effort to score more. Steve Kubiak added the final 6 points on a 20-yard end run.





Sophomore surprise Les Clark galloped through the Cape defense before being caught from behind and brought down after a 53 yard run from scrimmage.



Strong defensive end Leonard Stout smothered the Cape Girardeau ball carriers time and again, although it was in a losing cause.

## Indians scalp Miners during Homecoming game

The Southeast Missouri State Indians, down 17-0 early in the first half, came back strong in the third period to hand the Miners a 32-24 Homecoming defeat. Fred White raced 55 yards to paydirt after intercepting an errant Cape Girardeau pass. Larry Oliver kicked a 38-yard field goal after Les Clark thundered 53 yards to set up the score. The Miner offense increased their lead to 17-0 when quarterback Jack Grawe hit talented flanker Larry Oliver with a 22-yard scoring pass. The

Indians, led by All-Conference quarterback Greg Schroeder, cut the halftime deficit to 17-7 by scoring on a draw play.

The momentum then switched to SEMO. A Miner fumble set up one score on a 3-yard run, then the Indians scored on a 40-yard pass play from Schroeder to Miller. SEMO increased their lead to 27-17 before the Miners scored on a 61-yard scoring strike from Godwin to Sommerville.



Nifty tailback Les Clark skirted by the Cape interior line on a well-executed trap play because of excellent interior blocking by the Miner linemen.

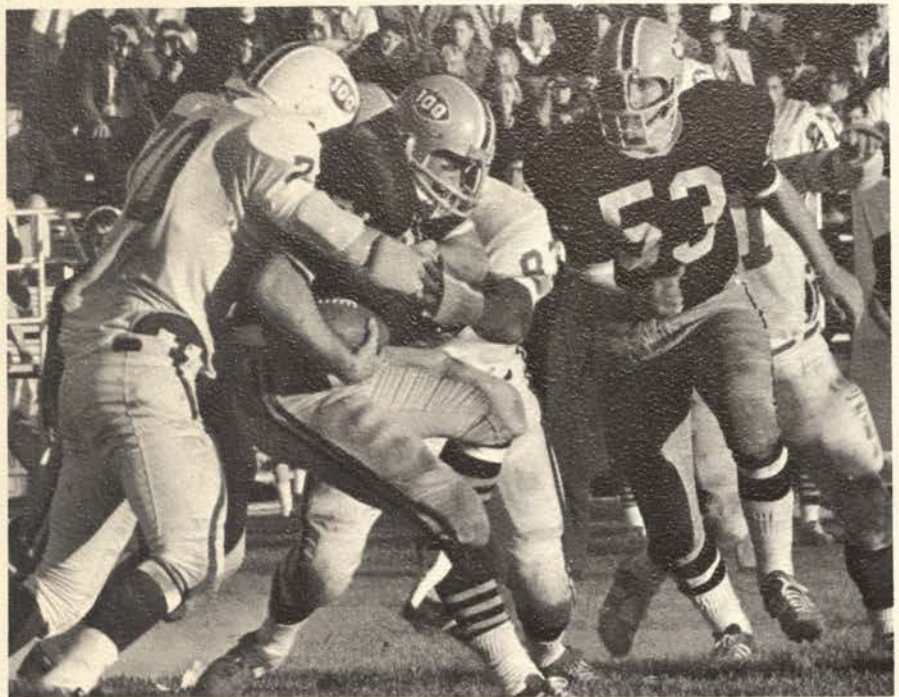


The Golden Horde cluttered around the Cape ball carrier, Al Holmes, as the swift halfback frantically tried to break the tackle.





The outstanding defensive pursuit of the Golden Horde resulted in a Springfield runner losing vital ground.



Crunching fullback Bob Berry busted through a big hole and picked up long yardage before finally being stopped by a gang of frustrated Springfield defenders.

## Silver and Gold bite Bears in 45-12 win

The Southwest Missouri State Bears were given a rough welcome to Miner country as the Silver and Gold handed the visitors a 45-12 thrashing. The Golden Horde scored the first touchdown of the game as Darrell McAllister blocked a punt and noseman Mike Moore fell on the ball in the end zone for a 6 pointer. The Miners scored again before SMS finally mounted an offense, capped by a 3-yard touchdown run. The Miners led at halftime 14-7.

The Miners took the opening kickoff and marched 68 yards in 11 plays, with Bob Berry scoring the touchdown on a 10-yard run. Another UMR score resulted on a 37-yard Godwin to Oliver touchdown pass after a poor SMS punt. SMS got started again as they marched down-field on passes and scored on a five-yard run. The Miners added 17 points in the fourth quarter to ice the victory. Fred White provided the final 6 points with an interception.

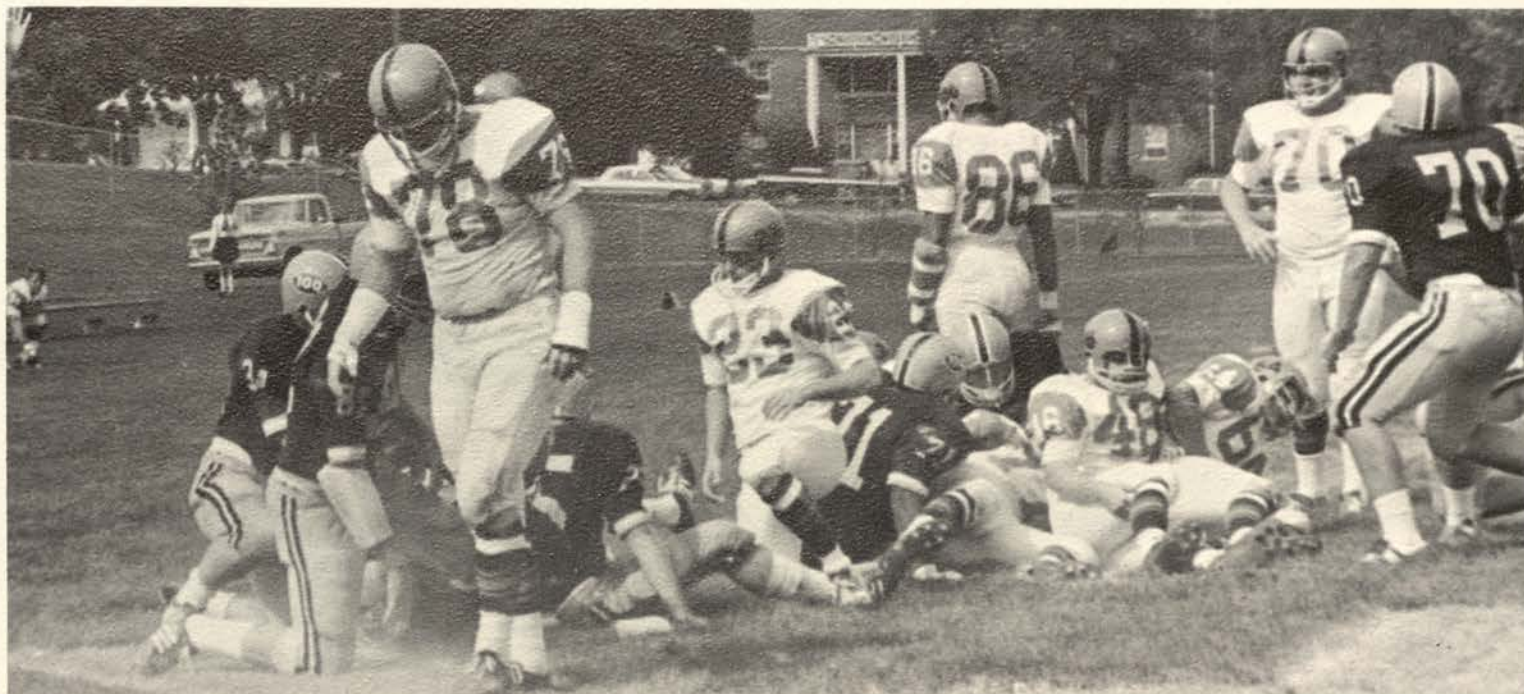


All-conference Miner defensive back Fred White is shown intercepting a pass to thwart a futile Bear resurgence.



The strength of the Golden Horde is exemplified by this indestructible wall of Miner defenders in the SWMS game.





The dejected look of the Missouri Valley team is reflected as the referee signalled another six points for the Miner squad.

Enthusiasm and spirit had resulted from hard work as the Miners saluted another outstanding performance by one of their team members.



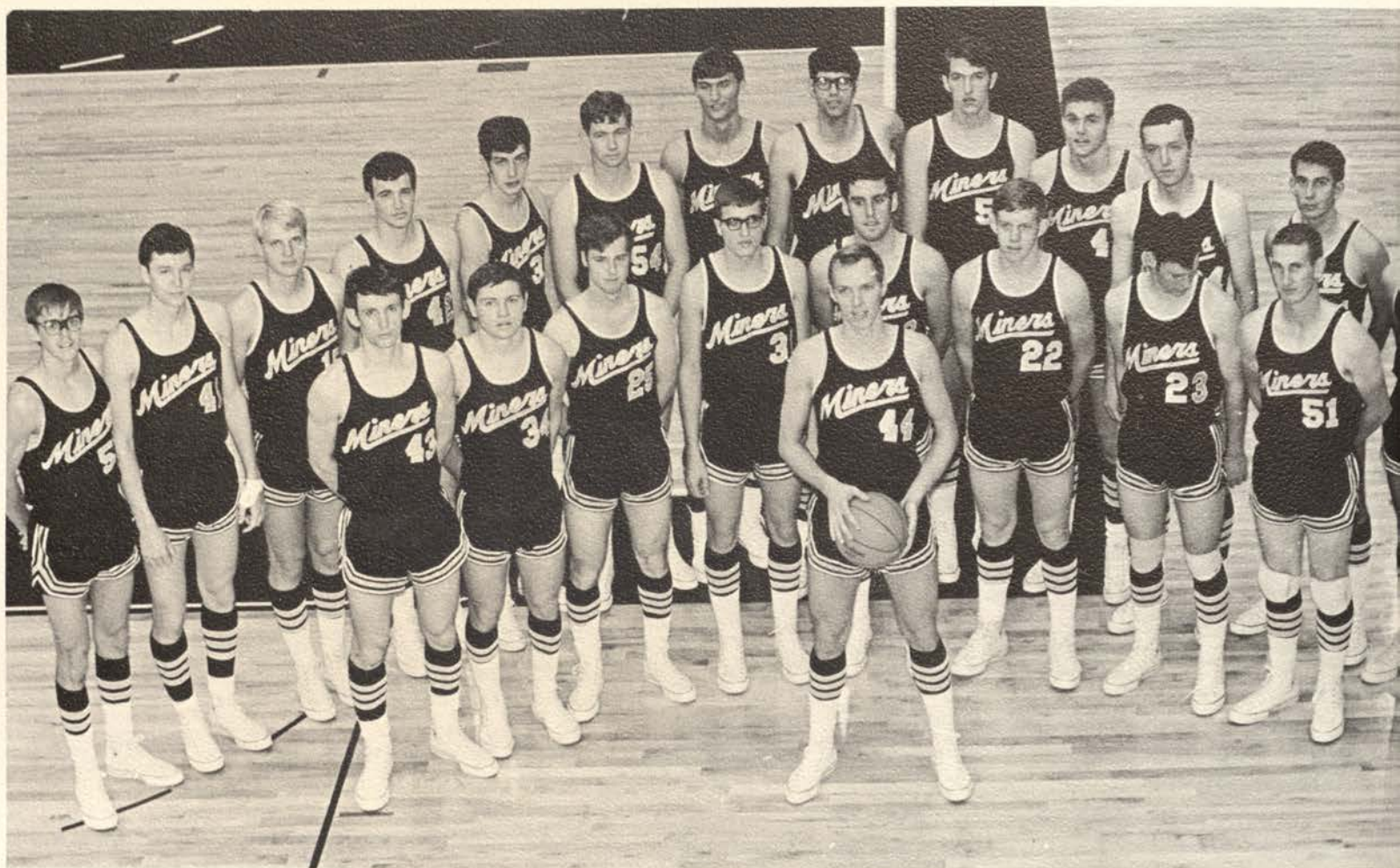
The Miner's underrated senior quarterback, Jack Grawe, handed off to the hard charging Bob Berry, the Miners' leading scorer this season.

## Rushing game runs Vikings down to defeat

Using a devastating ground game, the UMR Miners held off a belated Missouri Valley attack to walk away with a 33-14 win. Sophomore tailback Les Clark set a new school record for carries with 41 while gaining 140 yards. Junior fullback Bob Berry tied the Miner school scoring record as he galloped for 3 touchdowns, good for 18 points. The Silver and Gold led at half, 20-7. The Golden Horde controlled the second half. The last Miner score came when quarterback Pat Godwin raced 6 yards for a touchdown with 9 seconds remaining in the contest.

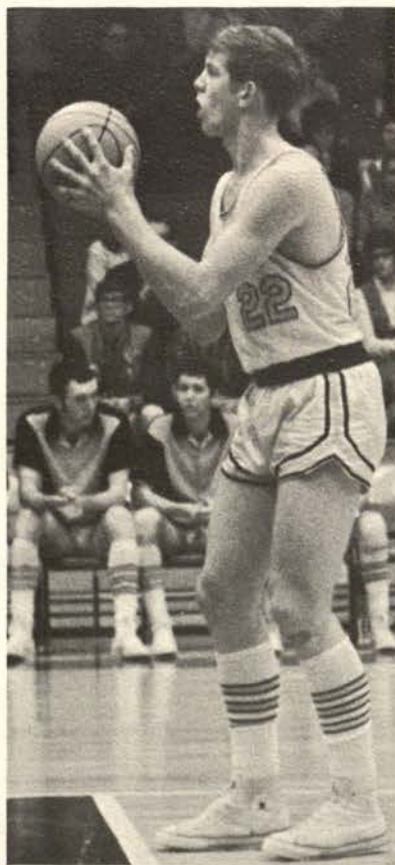






FRONT ROW: Hurt, B., SECOND ROW: Thornsberry, M., Qualls, J., Coleman, E., Morris, B., Edwards, G., LeGrand, R., Lee, S., Medlock, R., THIRD ROW: Scott, S., Gredell, E., Pederson, P., Bailey, H.,

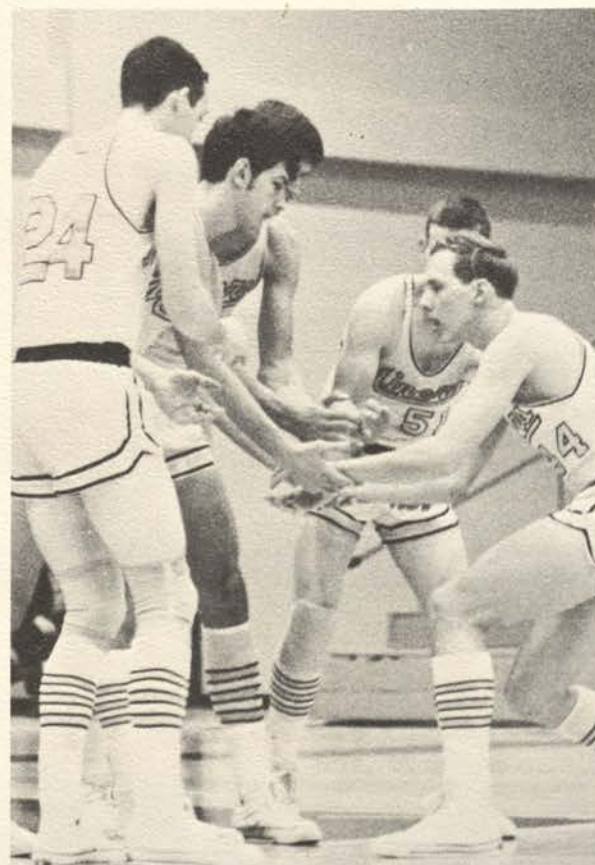
Sandhaus, R., Lett, S., Davidson, K., Morford, D., Peters, R., Ferry, C., Deaver, R., Mueller, K., Edwards, L., Stone, W.



Frisky freshman Rodney LeGrand calmly eyed the important situation over.

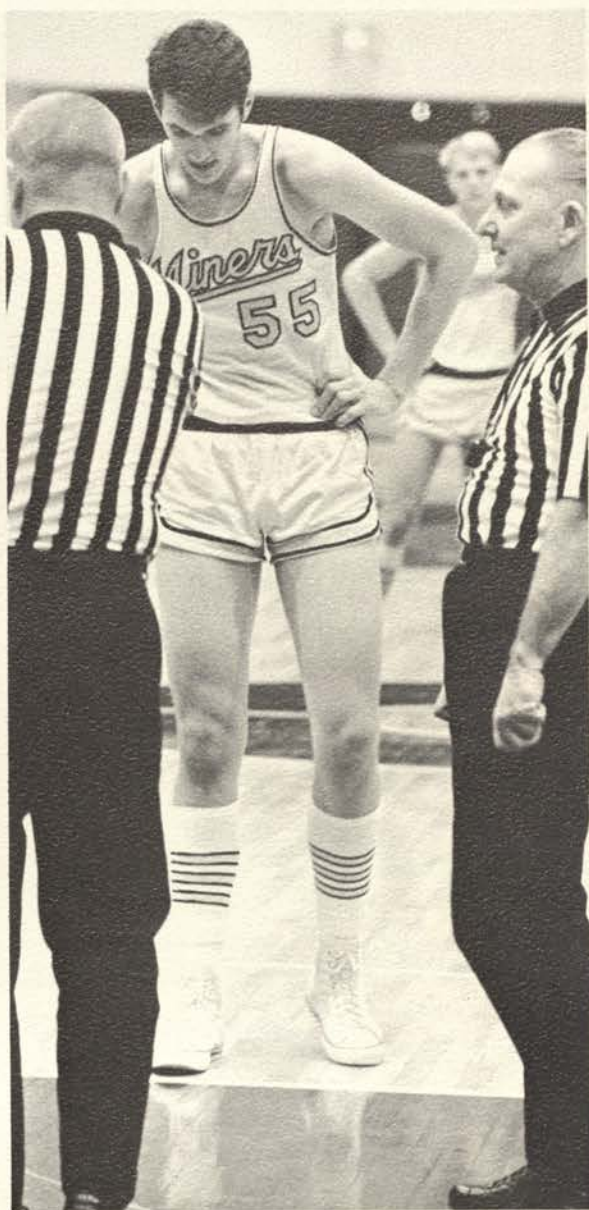


This is representative of the main idea of the game of basketball, to score.



After the introduction of the starting five, the members clasped hands to wish each other good luck.





Both referees seem as though they are trying to teach Rich Peters the intricacies of free-throw shooting.

## SEASON RESULTS

| UMR          | Opponent                              |
|--------------|---------------------------------------|
| 55 . . . . . | Washington University . . . . . 60    |
| 88 . . . . . | Harris Teachers College . . . . . 73  |
| 59 . . . . . | Kansas State-Pittsburg . . . . . 79   |
| 68 . . . . . | Central Mo-State . . . . . 88         |
| 65 . . . . . | Southwest Mo. State . . . . . 79      |
| 85 . . . . . | Southeastern Okla. State . . . . . 66 |
| 57 . . . . . | Southeastern Okla. State . . . . . 46 |
| 58 . . . . . | Stephen F. Austin . . . . . 86        |
| 60 . . . . . | Southeastern Okla. State . . . . . 69 |
| 67 . . . . . | Texas-Arlington . . . . . 64          |
| 78 . . . . . | Wisconsin-Milwaukee . . . . . 70      |
| 62 . . . . . | Southeast Mo. State . . . . . 71      |
| 80 . . . . . | Lincoln University . . . . . 72       |
| 73 . . . . . | SIU-Edwardsville . . . . . 66         |
| 92 . . . . . | Harris Teachers College . . . . . 85  |
| 70 . . . . . | Central Mo. State . . . . . 82        |
| 66 . . . . . | Southwest Mo. State . . . . . 100     |
| 89 . . . . . | Northeast Mo. State . . . . . 87      |
| 58 . . . . . | Northwest Mo. State . . . . . 69      |
| 86 . . . . . | Northeast Mo. State . . . . . 74      |
| 55 . . . . . | Northwest Mo. State . . . . . 82      |
| 82 . . . . . | Southeast Mo. State . . . . . 101     |
| 59 . . . . . | Wisconsin-Milwaukee . . . . . 89      |

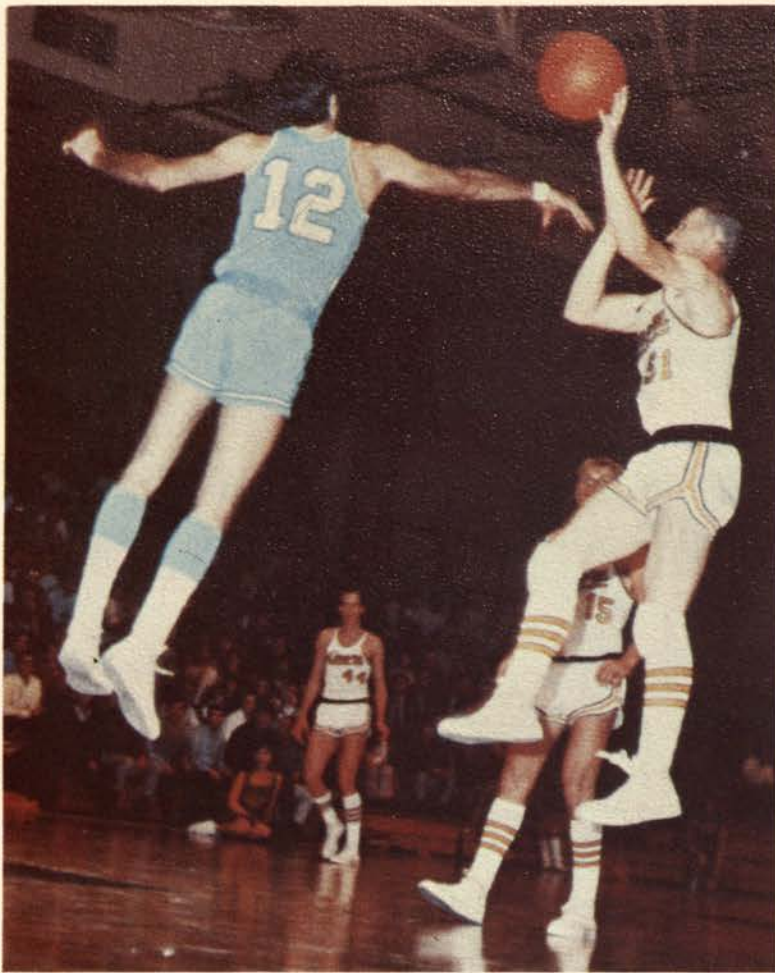
Season Record: 10 wins-13 losses

## Basketball team improves as season progresses



The exuberant Miner fans expressed their displeasure with Cape's flashy guard, Fred Anderson, who played a fine game against UMR.





Junior backcourt ace Rex Medlock let go of a long left-handed jump shot from the head of the key over the outstretched arm of a Texas-Arlington defender.

The tallest man of the Miner squad, 6'-10" center Don Morford, battled two University of Texas-Arlington defenders for a missed shot.



## Hurt leads balanced attack in triumph

The Miners combined a near 50% shooting performance from the field with a 60% from the line to defeat the University of Texas-Arlington, 67-64. The nationally ranked Texas-Arlington squad could not offset the Miners balance, the key to their victory. Three Miners were in double figures with captain Bob Hurt canning 14 for high point honors, followed by Rex Medlock with 13 points and Paul Pederson with 10. Keith Davidson and Don Morford, the two big men for the Miners, chalked up 9 points apiece, while Eric Gredell and Chuck Ferry each chipped in 6 points to complete the scoring.

Defensively, the Miners were as tough as they had been all season. Their aggressiveness showed in the rebounding statistics, where they had a game total of 56. The Miners took the lead midway through the second half and stayed ahead. Coach Key had been pleased with his team's recent improvements.

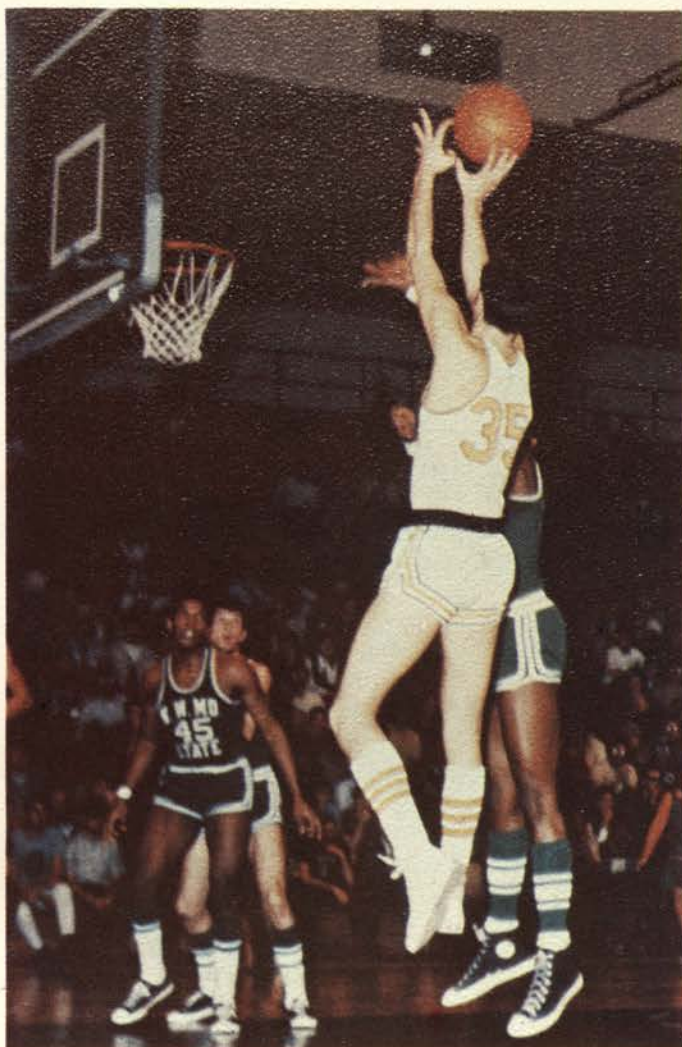


A rookie UMR center who showed a lot of potential for future years, Rich Peters scored two points between a pair of paralyzed opponents.

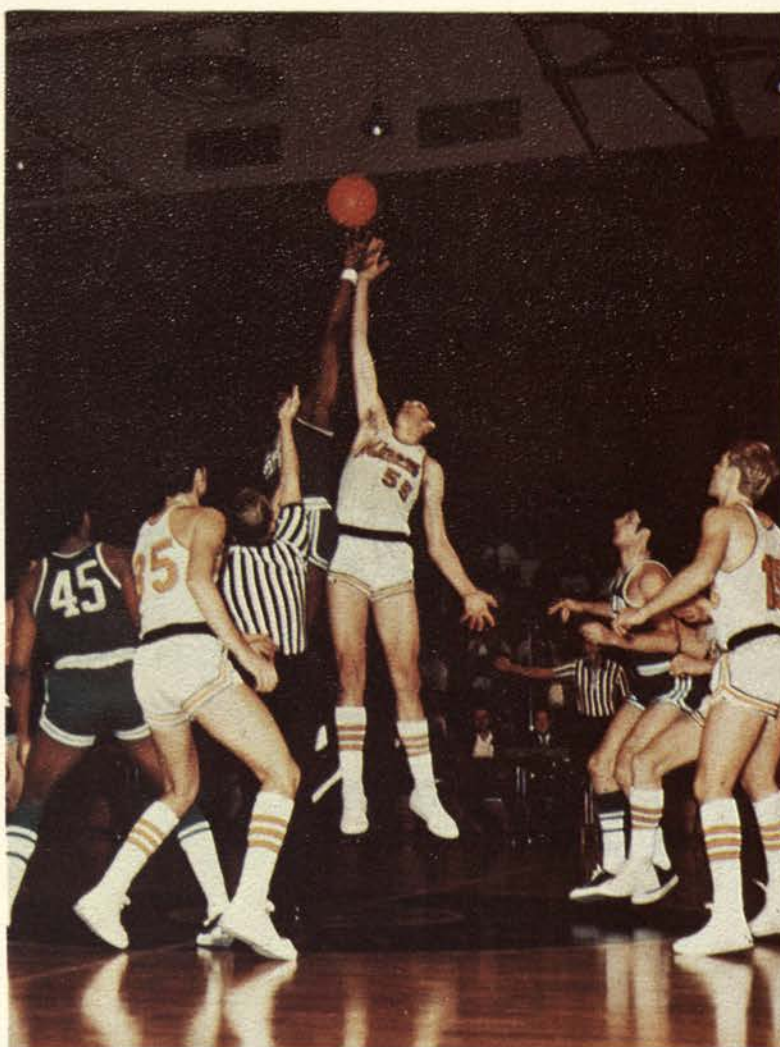
On a missed shot, junior forward Chuck Ferry made a vain attempt at a rebound already snugly snared by a Texas-Arlington foe.







Reserve forward Bob Sandhaus leaped over an opponent from Northwest Missouri State in an attempt to score two points for the Miners.



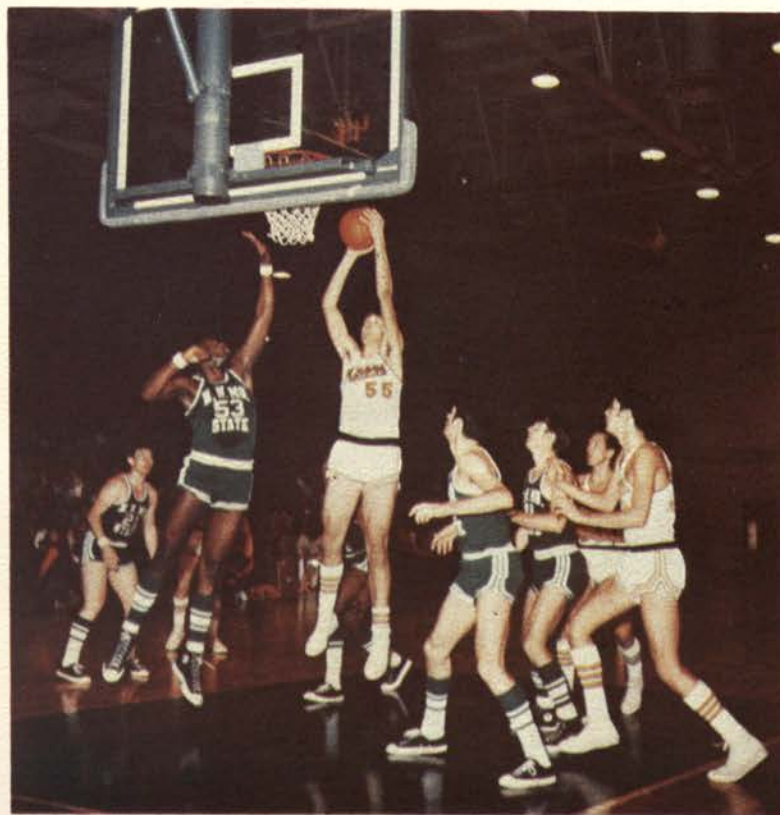
Both centers went up the same height, each trying to control the tip. The other players maneuvered around the circle to gain favorable position.

## Maryville wins game at charity stripe

The Miners were defeated 69-58 in MIAA conference play by Maryville. The Bearcats took command of the game in the early stages, led 37-28 at the half and coasted the rest of the way to victory. The Miners were led in defeat by freshman standouts Rodney LeGrand and Rich Peters, who netted 14 and 12 points, respectively. UMR shot 43% from the foul line. The Maryville Bearcats shot a much better 72%.

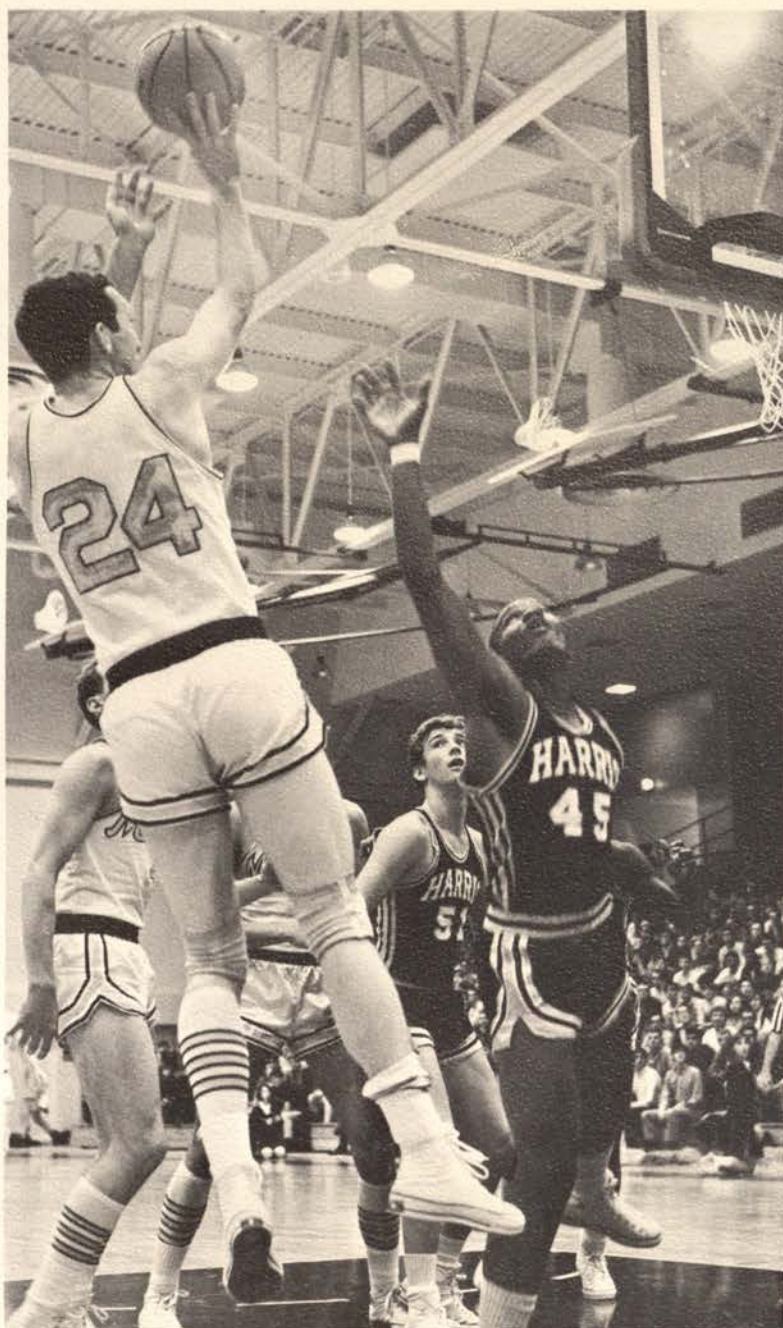
A big factor in the game was the Miners inability to dominate the rebounding boards. The Bearcats out-shot the UMR squad, 74 to 58. They made three more field goals due to their greater amount of shots. This, coupled with their superiority at the free throw line, insured the Bearcats of the important victory. Another reason for the Maryville win was the excellent defensive job done on Miner captain Bob Hurt. The leading Miner scorer was held to 7 points, made on 3 field goals and a free throw.

One promising note of the game was the outstanding performance of freshman center Rich Peters. The 6'-8" prospect scored 12 points and had 8 tough rebounds.

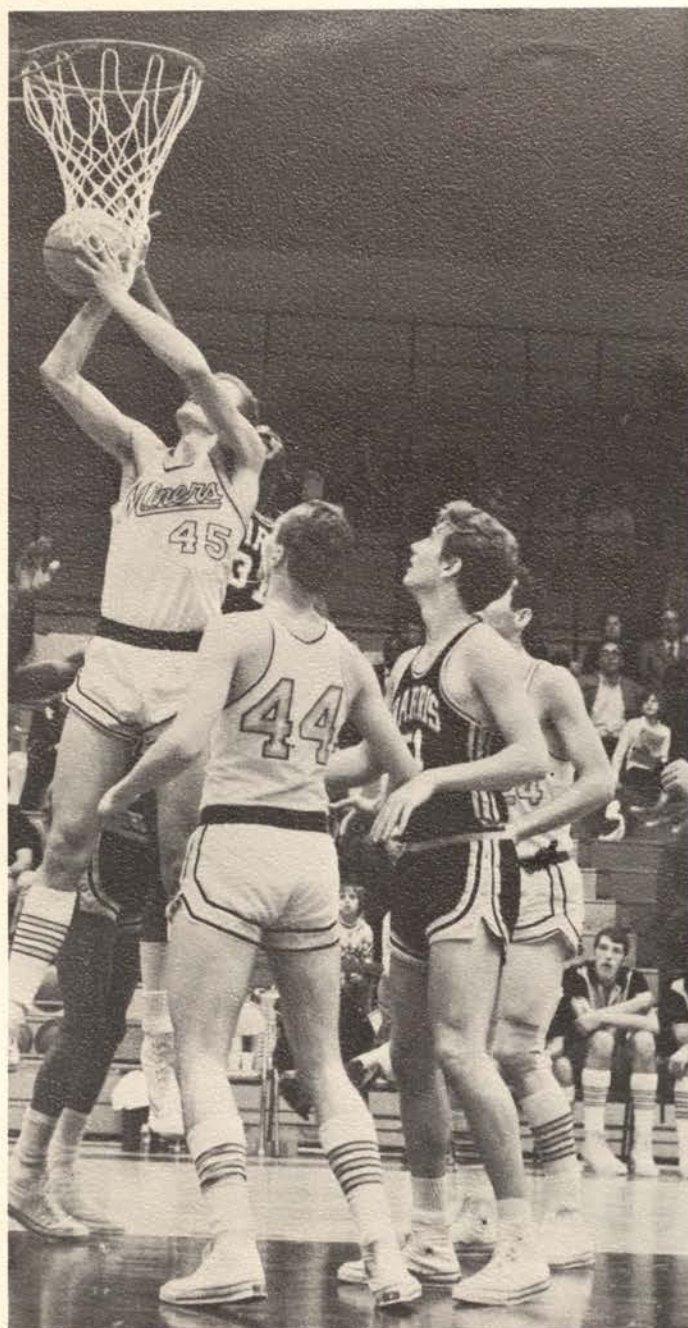


A teammate's pass to the middle of the lane found center Rich Peters open for a shot in front of the basket as Sandhaus moved in for a possible rebound.





Standout forward Randy Deaver shot over the top of a Harris Teacher's College defender in an attempt to score two quick points for the Miners.



Junior forward Chuck Ferry snared a rebound, then went back up for a shot as a Harris player attempted to block it from behind.

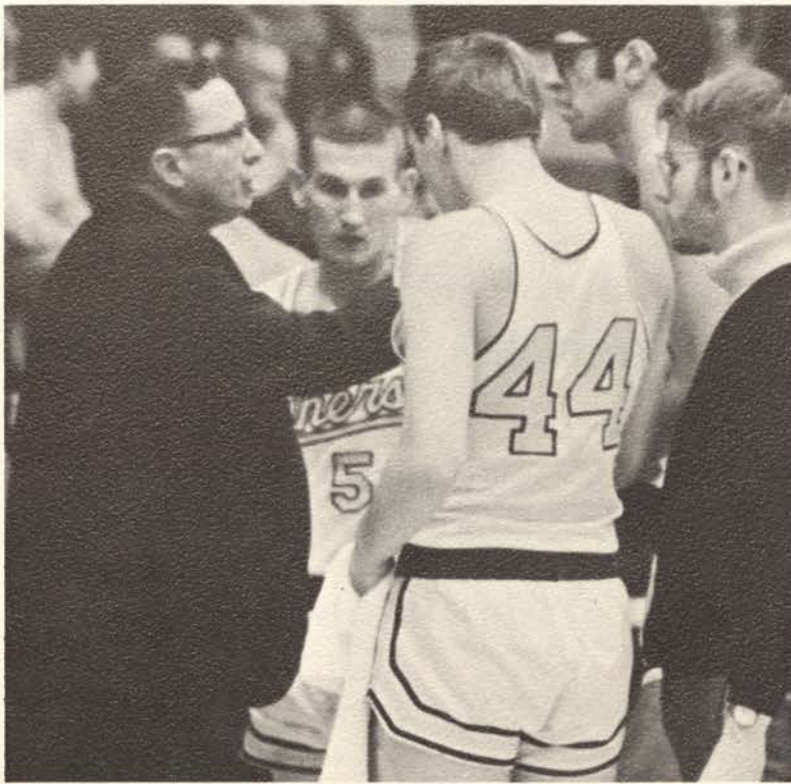


In good position for a rebound, freshman Rich Peters grabbed the ball from the grasp of a Harris defender as the other players stayed poised for more action.

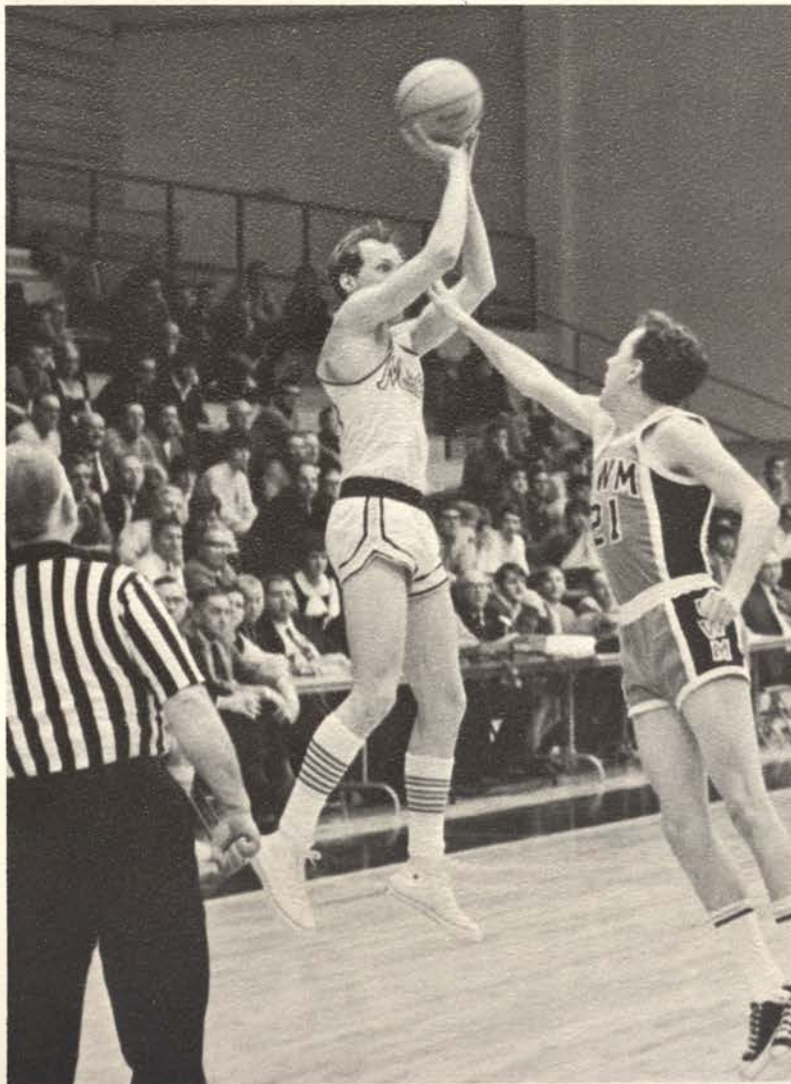
## Miners sting Hornets in impressive victory

The UMR basketball team won their home opener as they defeated a good Harris Teacher's College team by a score of 88-73. The game was never in doubt as the Miners jumped to an early lead they never relinquished. Liberal substitution by Coach Key kept the game from being a rout. The Miners were paced by Keith Davidson, who scored 14 points and grabbed 13 rebounds. Randy Deaver also scored 14 points, as he hit well from the field. The UMR guards provided excellent support, with captain Bob Hurt pulling down 10 rebounds and steadying the young team with his defensive play. Gredell led the scorers with 17 points. The smaller Hornets were outmaneuvered by the taller Miners, who pulled down a total of 63 rebounds. Coach Key had 11 different players score for him with many of the younger players gaining experience.





Coach Key emphatically explained to Rex Medlock, Don Morford, and Bob Hurt the techniques he wanted his team to employ in the closing minutes of play.

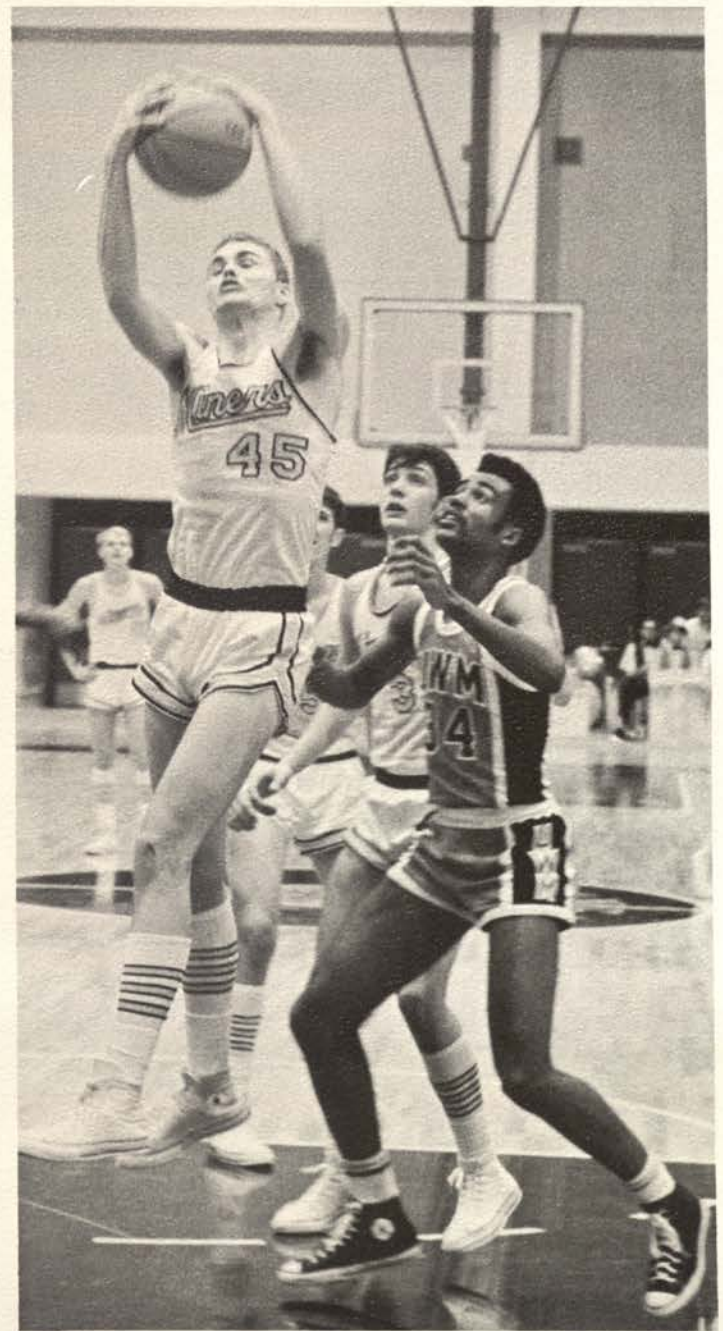


Senior captain and leading scorer Bob Hurt displayed his all-around basketball ability to lead the surprising Miners to a victory over their opponent.

## Prowling UMR team crawls by Panthers

The Miners took the Panthers by the tail and handed them a 78-70 loss. From the start of the game the ball moved quickly up and down the court. The University of Milwaukee-Wisconsin took the lead early in the game, displaying fine outside shooting. The Miners, however, took over the lead late in the first quarter and maintained it throughout the entire game. Although UMR missed many inside shots, their strong, steady, dominant basketball kept the Panthers from leaping ahead.

The crowd came to life the second half as the Miners came out shooting to increase their lead. The game continued at a fever pace as the Panthers rallied. UMR remained unyielding with a scoring offense and a tough defense. The Panthers began shaking up the young Miners, but they gained their composure to remain ahead.



Tough Chuck Ferry needled his way through the startled University of Wisconsin-Milwaukee defense to pick off an errant shot.





Trying to rumble through a crowd of opponents led to this Miner's downfall and his eventual handoff of the ball to a teammate.



Senior rugger Dave "The Ripper" Ripley drug along two opposing players on his back as he attempted to gain more yardage or pass off to a team member.



A mass pileup of struggling bodies resulted in the ball squirting loose from underneath the ruggers and rolling away to safety.





The referee was the only one who saw the ball squibble away as the rugby players from both teams continued to scrum vigorously.

## Ruggers gain experience but lose final game

In the final match of the season, the UMR ruggers were defeated by a short-handed Memphis, Tennessee, rugby team. The Blacks lent four second team players to the Memphis Club, who had travel mishaps. The UMR Blacks drew first blood as Paul Siebert blocked a quick kick attempt, recovered the ball and lateralled it to Balls Weiss, who took it over for the score. The UMR team scored again shortly thereafter on a 35-yard penalty kick, making it 6-0. Memphis scored on a short penalty kick before Austin booted his second 3-

pointer for a 6-point halftime lead.

With UMR players contributing key roles, the Memphis team began to jell, as they cut the margin to 9-8. In the last minute of play, the Tennessee ruggers scored a final 3 points against the tired Miners to win 11-9.

Playing their last rugby match for the Miner Club were Dave Ripley, Matt Rupp, Keith Austin, Bill Weiss, and retiring president John Reige, a 5-year player.



Playing on a cold, snowy, crisp day, the Miner ruggers battled desperately for the ball as their eager opponent leaped to try to grab the ball away.



The idea of the ball slipping away again was reflected in the surprised look on the players' faces as they began to break up.





Varsity rifle team, kneeling: Sampson, Gastreich, Weston, Hafkemeyer  
standing: Frauenhoffer, Calvin, Jamieson, Capt. Miller, Hill, Howell.

## Riflemen again tops in Midwest region

This year, the riflemen lost to only 3 top teams in the nation. The UMR team had taken 6/20 at the Kentucky State Championships, 4/46 at the Kansas State University Turkey Shoot, 1/18 at the UMR Intercollegiate Sectional, 1/31 at the University of South Dakota Pheasant Shoot, 1/21 at the University of Minnesota Invitational. In smaller matches, the rifle team beat Lincoln twice, Westminster once, Rose Poly once, and SWMS once.

Kent Gastreich and Bob Hill traveled to Fort Riley for the old Tropper Match. They made a fantastic showing, totalling 2278 out of 2400 points. Kent tied the individual National Junior record with his 1151 out of 1200 points and beat the National Junior Kneeling record by 4 points, scoring a 389 of 400 possible.

In the Camp Perry match, the Miners took first place in the ROTC College Team Totals, setting a new record. In the Grand Aggregate Championship, UMR took second place, with All-American Gastreich second in individual match aggregate and second in the kneeling position. Senior Bob Hill took a first in the standing position.



The team composed of Gastreich, Howell, Hill, and Frauenhoffer, stand weary but happy after their victory in UMR's sectional tournament.



# Netmen fourth during MIAA competition

The UMR tennis team carried an 8-3 season record into the MIAA conference tournament with hopes of improving last year's third place finish. The Miners faltered, though, and finished fourth. Dick Herrin scored the only point for UMR in singles when he won one match. The doubles team of Reynolds and Mullen won three matches, to capture first in the second doubles, while Varnon and Rogge finished second in the third doubles.

## SEASON RESULTS

| UMR | OPPONENTS                                |
|-----|------------------------------------------|
| 5   | Southwest Baptist University . . . . . 4 |
| 3   | SMS-Springfield . . . . . 6              |
| 5   | SMS-Springfield . . . . . 2              |
| 1   | Washington University . . . . . 6        |
| 8   | Drury . . . . . 1                        |
| 4   | Southwest Baptist University . . . . . 5 |
| 7   | Westminster College . . . . . 2          |
| 5   | Concordia . . . . . 4                    |
| 7   | Drury . . . . . 0                        |
| 5   | Evangel . . . . . 2                      |
| 6   | Evangel . . . . . 1                      |

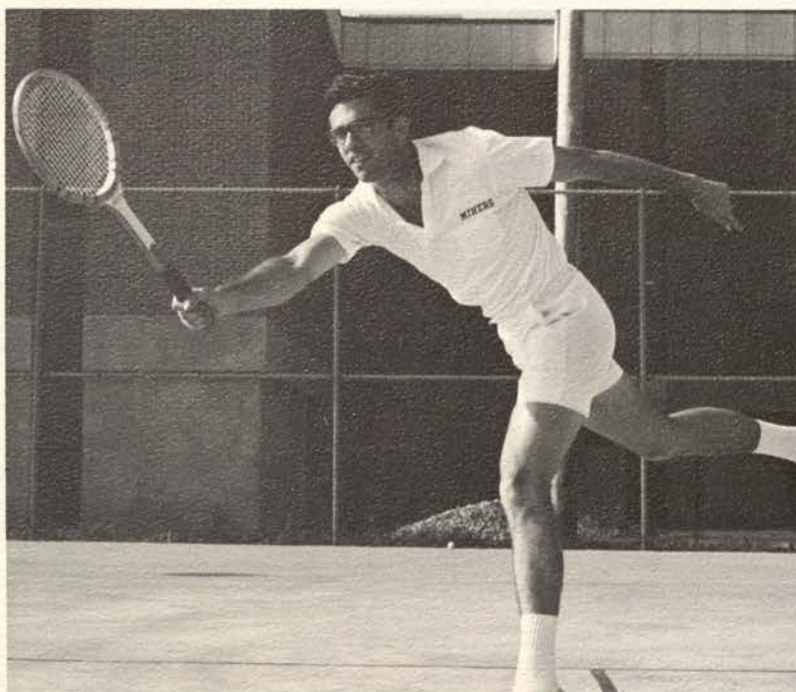
## MIAA CONFERENCE-FOURTH PLACE



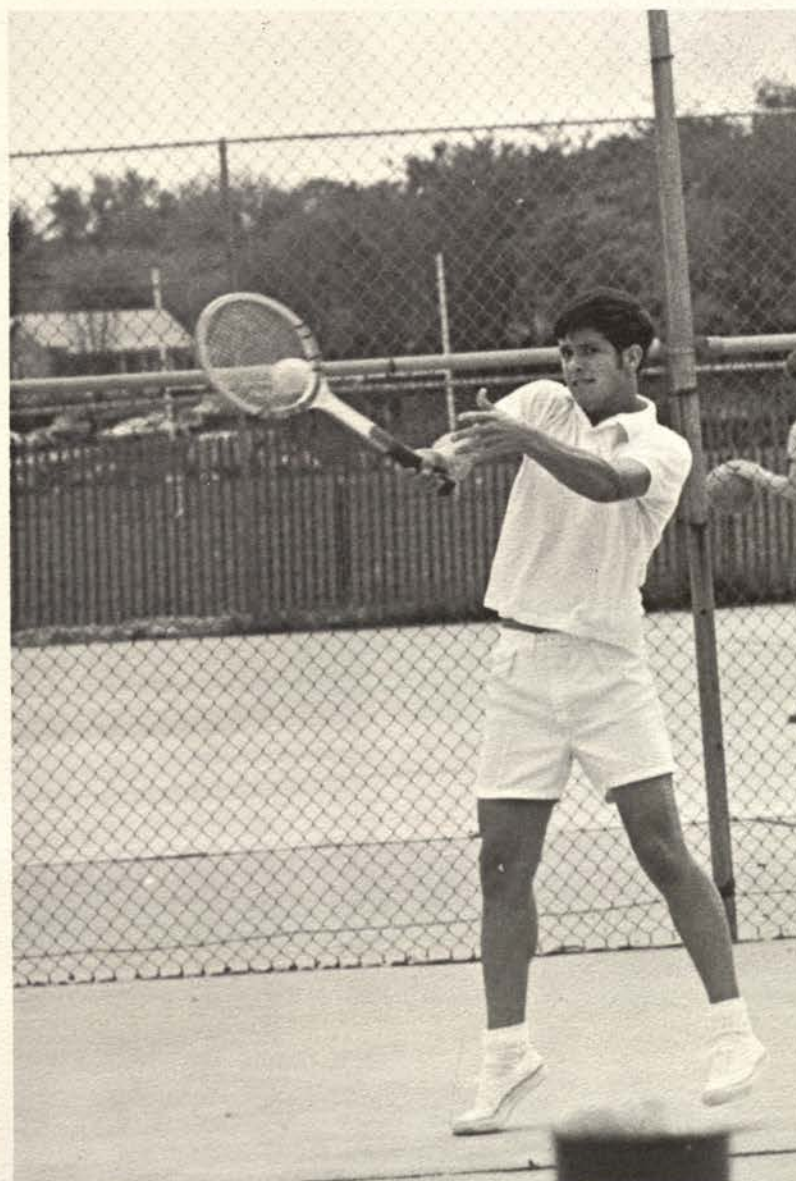
The entire squad, composed of Joe Reynolds, Carter Njus, Dick Herrin, Dan Mullen, and Chuck Rogge rest during a break in a practice session.



A newcomer to the squad this year who performed very well was Carter Njus, a former intramural singles and doubles player champion.

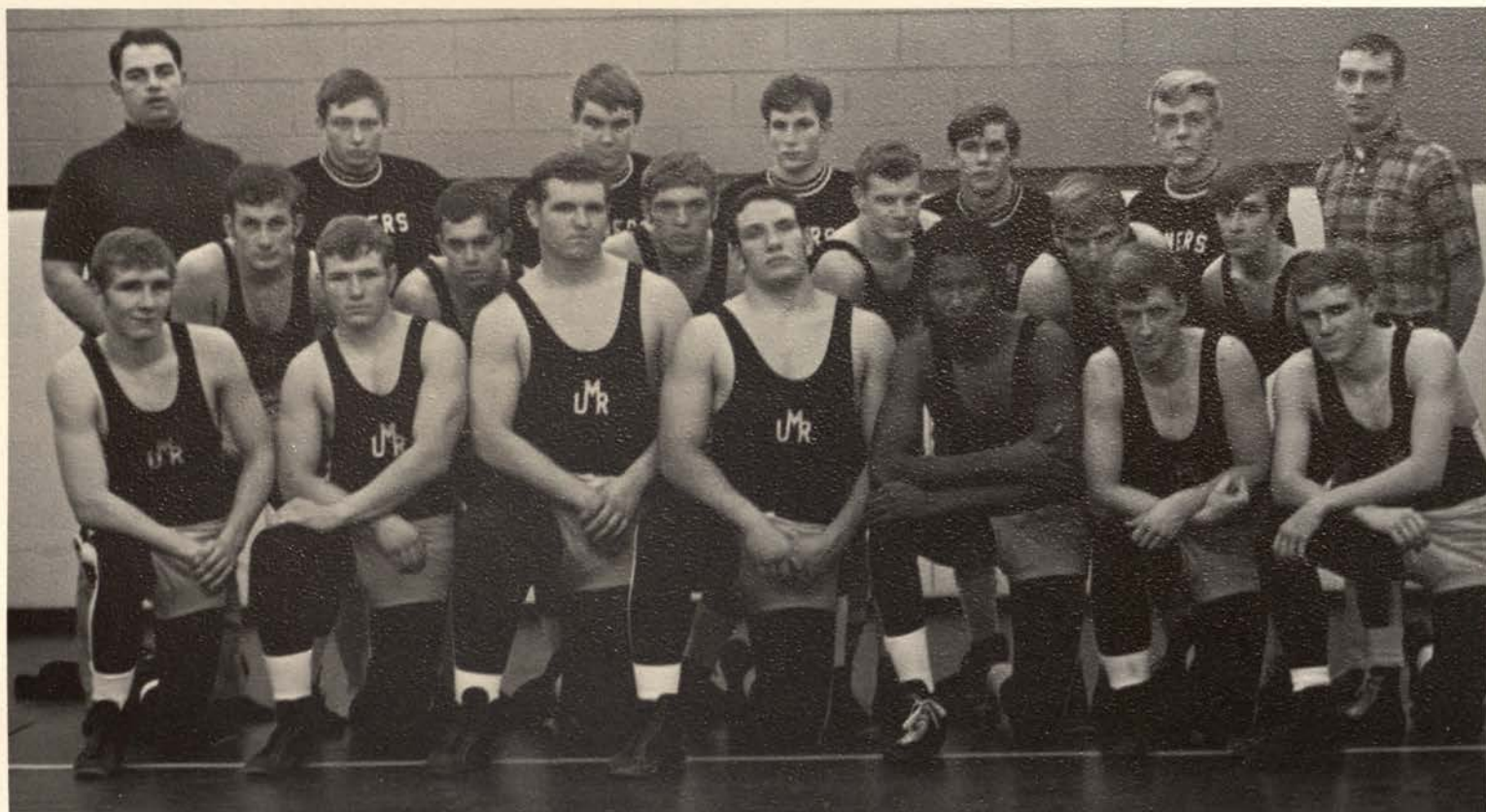


The Miners' most valuable player, Joe Reynolds was the number one singles player on the UMR squad for the fourth consecutive tennis season.



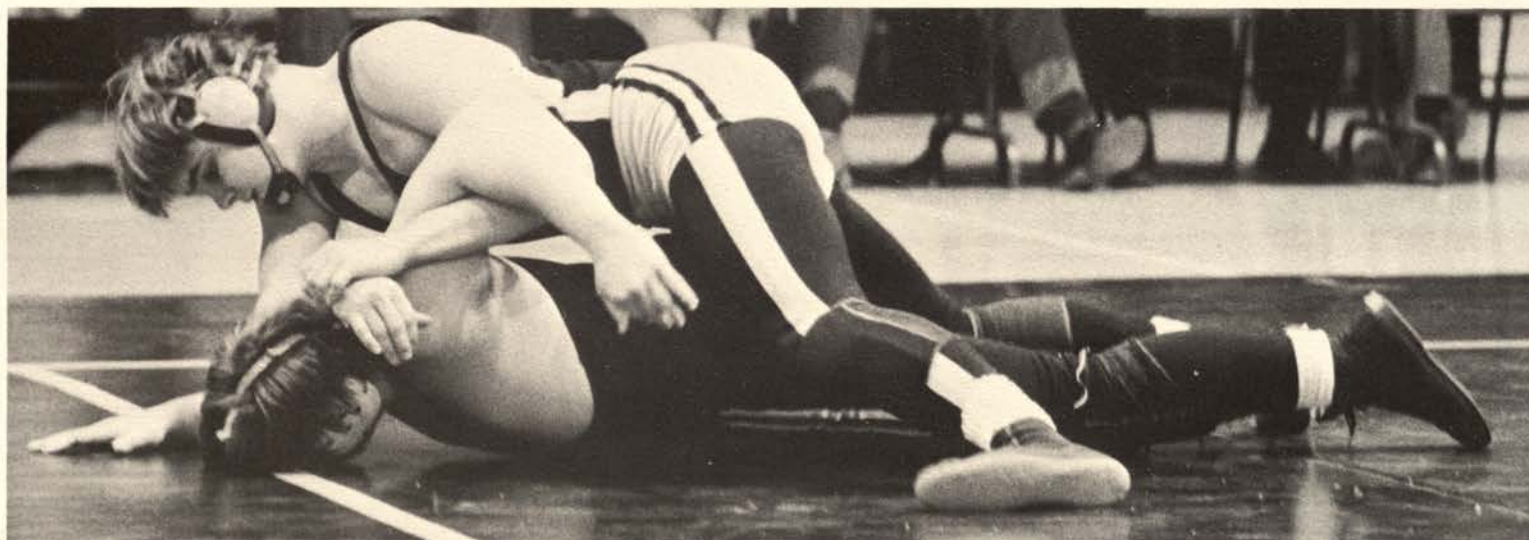
One of the most consistent players for Coach Morgan's tennis team was second year man Dan Mullen, straining to return a forehand smash.





FRONT ROW: Myers, J., Matthes, J., Gould, M., McAlpin, G., Morrison, R., Pankau, R., Sims, M.; ROW 2: Conrad, M., Robertson, L., Thompson, L., Gregory, B., Snarrenberg, J., Zale, D.; Zale, D.; ROW

3: Keeton, J., Phillips, M., West, K., Mayne, D., Gereinger, K., Anderson, G., Werner, E.



Stamina, determination, and endurance, developed under the guidance of Coach Keeton, resulted in a fine rookie season for the wrestlers.

## Wrestlers plagued by injuries to key men

The wrestlers of UMR, plagued by injuries, finished fifth in the MIAA conference meet. Dave Zale, Les Robertson, and Len Thompson all lost their first-round matches. Mike Richardson drew a first-round bye, then was defeated. Mike finished in third place. John Mathes was another first-time loser, as was Jack Myers. Jim Stewart won his first match only to lose to the eventual winner. "Spider" Morrison, wrestling with a broken hand, was defeated, then Kevin West lost, also. Gary McAlpin defeated his first opponent in overtime. He met Beard of NEMS for the championship, but only came out second best.

### SEASON RESULTS

| UMR | OPPONENTS               |    |
|-----|-------------------------|----|
| 10  | CMS-Warrensburg         | 31 |
| 19  | SEMO-Cape Girardeau     | 17 |
| 30  | William Jewell          | 6  |
| 8   | Fort Hayes State        | 34 |
| 0   | Kansas State University | 44 |
| 29  | SEMO-Cape Girardeau     | 11 |
| 29  | Washington University   | 11 |
| 21  | SMS-Springfield         | 17 |

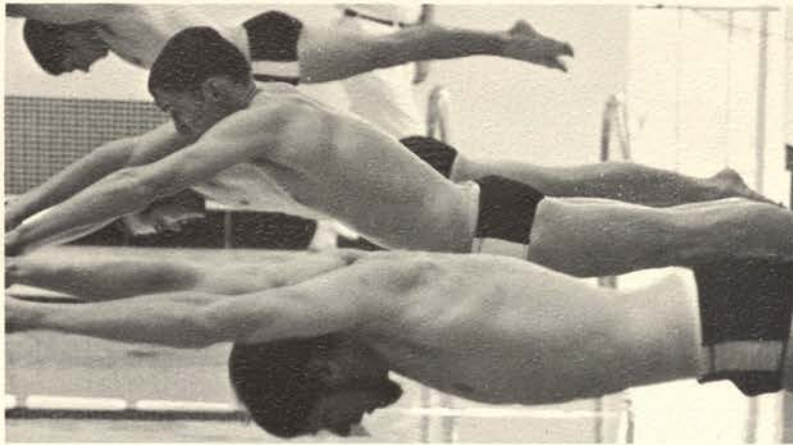
MIAA CONFERENCE-FIFTH PLACE





Coming up for a short breath of air before resuming his endeavor, butterfly swimmer Jim Hampel was a steady performer for the tankmen.

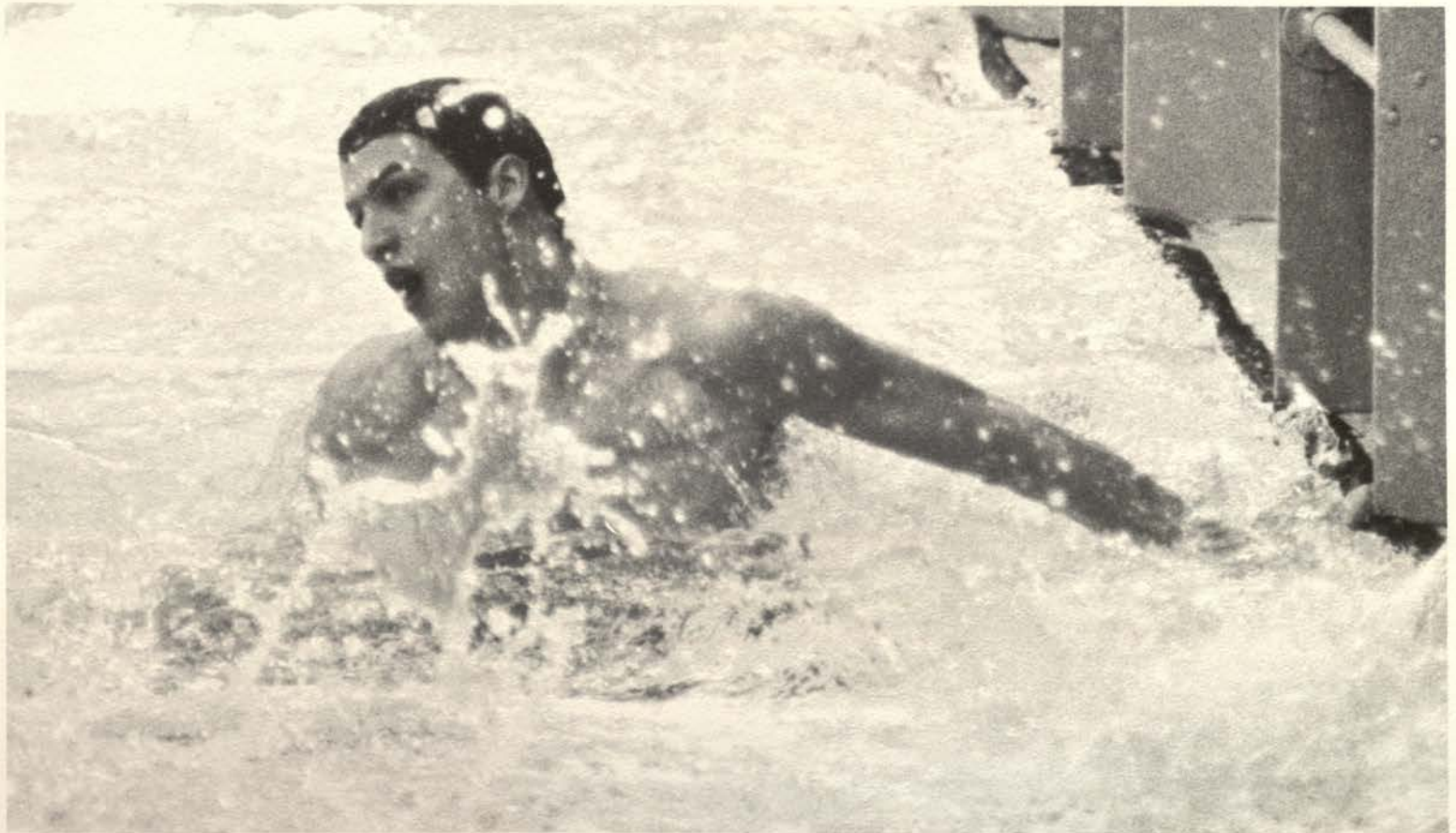
## Rick Marshall leads UMR to fourth place



Diving quickly into the pool from the starting blocks can save precious time in a swimmer's pursuit of pool, conference, and national records.

Led by All-American Rick Marshall, the tankmen finished fourth in the MIAA conference meet. Numerous records were tied or broken in the meet, including three by freshman UMR star Rick Marshall. Marshall swam to victory in record times in the 100 and 200-yard breaststroke and the 200-yard individual medley. Diving proved to be the Miners' downfall as they failed to qualify anyone for the finals. Rick qualified for Nationals in the 100 and 200-yard breaststroke. Rick's time of 2:23.4 in the 200 ranked him 16th in the country while his 100-yard time of 1:02.9 placed him 4th in the college competition.

UMR's All-American freshman Rick Marshall performed an open turn in his breaststroke event during the 200-yard medley relay.







Suspended in midair in truly picturesque form, this Miner hurdler excelled in his special event to help the squad to an undefeated dual season.

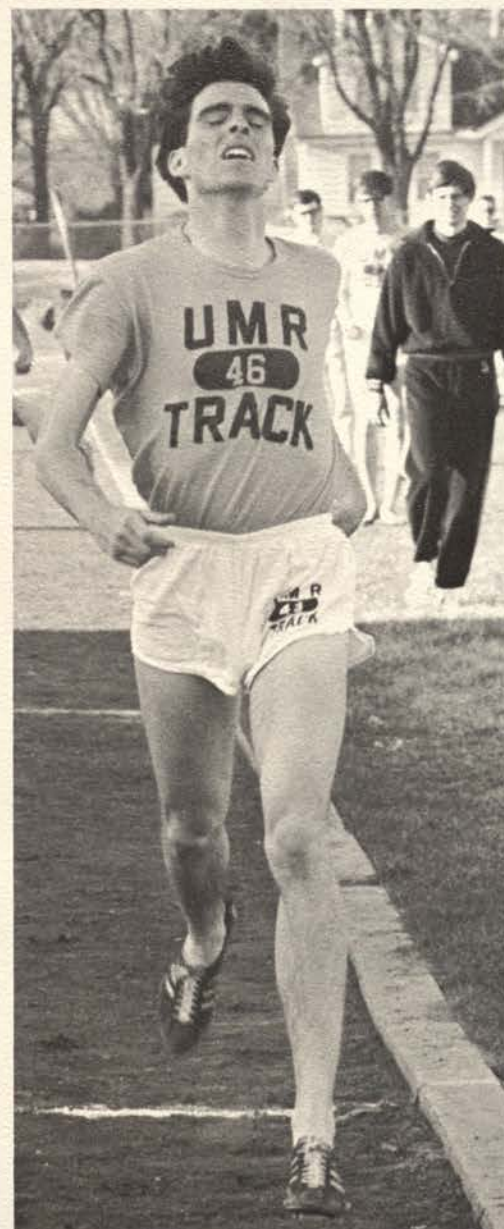
With both legs and one arm in accelerated motion and with the rest of his body in equilibrium, broad-jumper Ron Curby demonstrated courageous winning efforts.



## Track team undefeated in dual competition

Cape Girardeau ran away with the MIAA track title as the Miners finished fourth. Rolla's 27-point total and fourth-place finish were quite an improvement over their last-place finish in the MIAA indoor season.

The only Miner first-place finish was by Leonard Stout, who threw the javelin 191'-9". This was Stout's second consecutive year as the MIAA's top javelin thrower. The Miners placed two in the 440 as Larry Nelson, who blossomed late in the season, finished second, and David Larcker finished fourth. Another fourth was achieved by Ray Curby, who ran a 9.9 hundred. Terry Grieve leaped 21'-6" in the broad jump to capture another fourth. Ed Hanstein placed fifth in the shot-put, and hurdler Don Hemenover finished fifth in the 440 intermediate hurdles. The mile relay team finished fourth, only .9 second from a new school record. Sophomore Dave Larcker had a 48.6 anchor leg to help close in on the record. The 440 relay team also finished fourth, to conclude the UMR scoring.



The Miner spirit to finish first is shown in the strained appearance of this UMR sprinter.



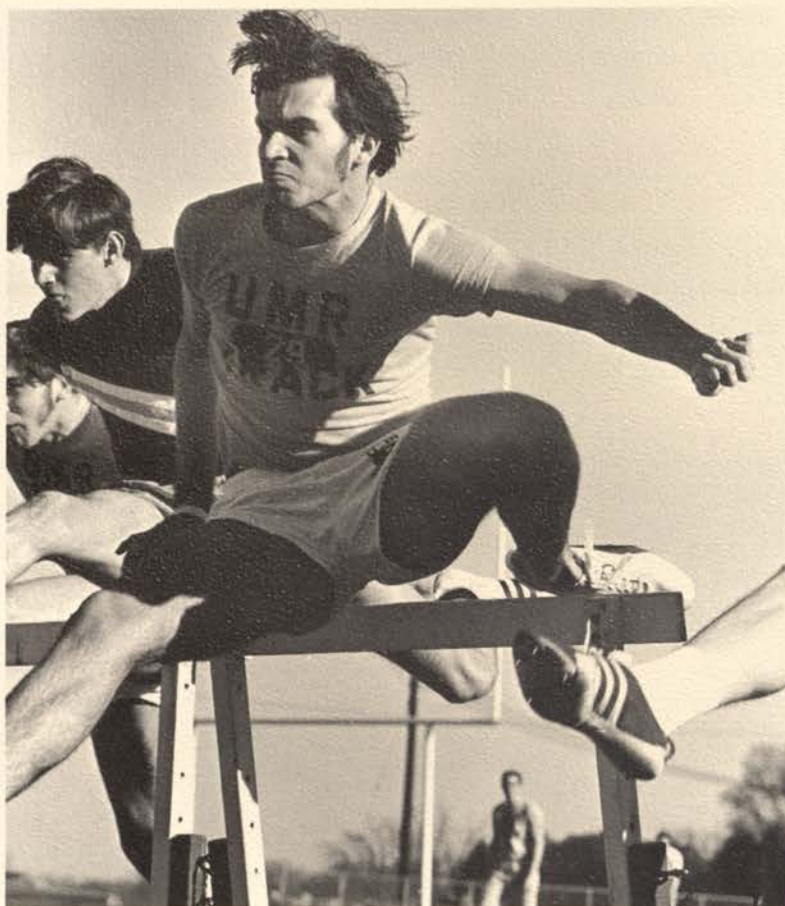


Coming down the final straight stretch of turf, the lunging Miner runner attempted to defeat three frustrated opponents.

After many hours of long, trying practices of passing the baton, two members of the UMR relay team made it pay off with a perfect switch.



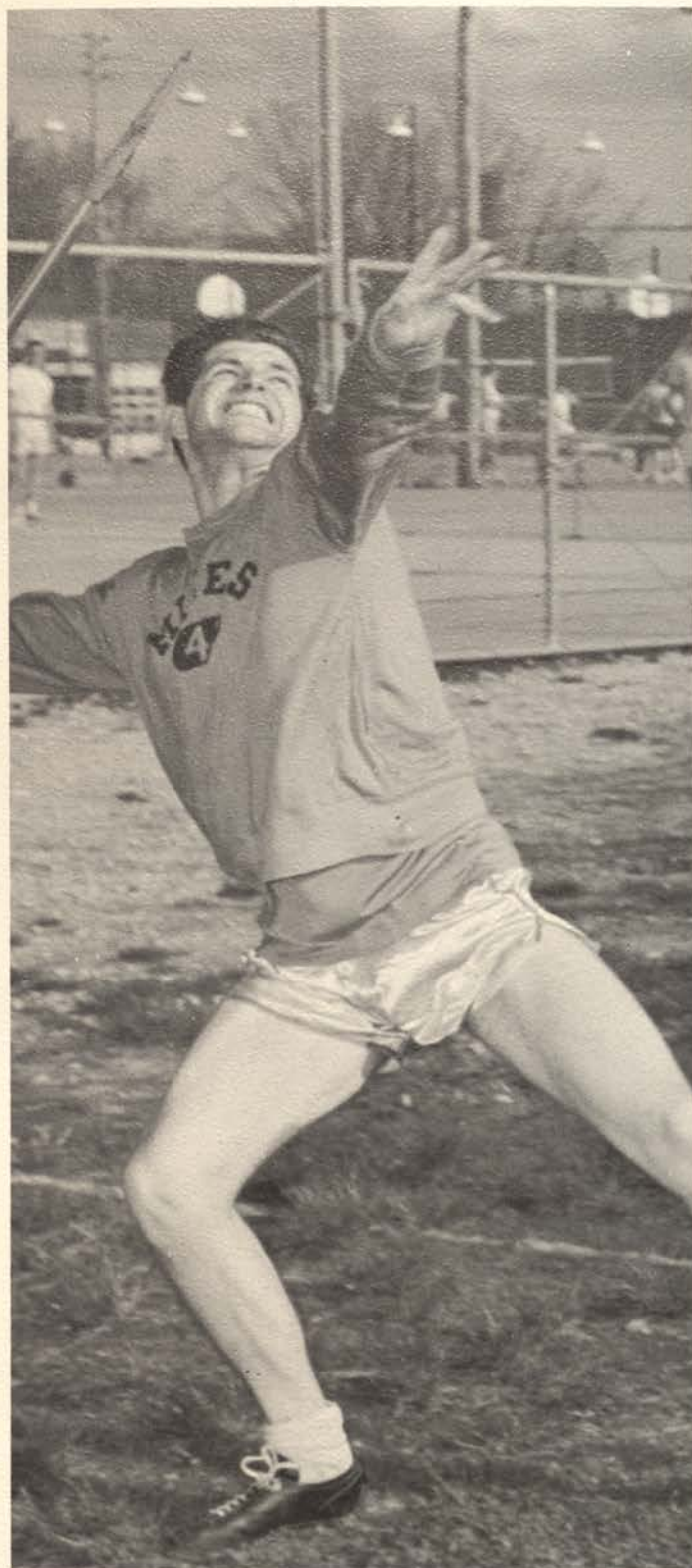




UMR's most valuable trackman this season was hurdler Don Hemenover, sternly pursuing the finish line ahead of everyone else participating.



The understanding of the basic techniques of pole vaulting enabled the Miner jumper, John Lambert, to become a consistent point-getter for the squad.



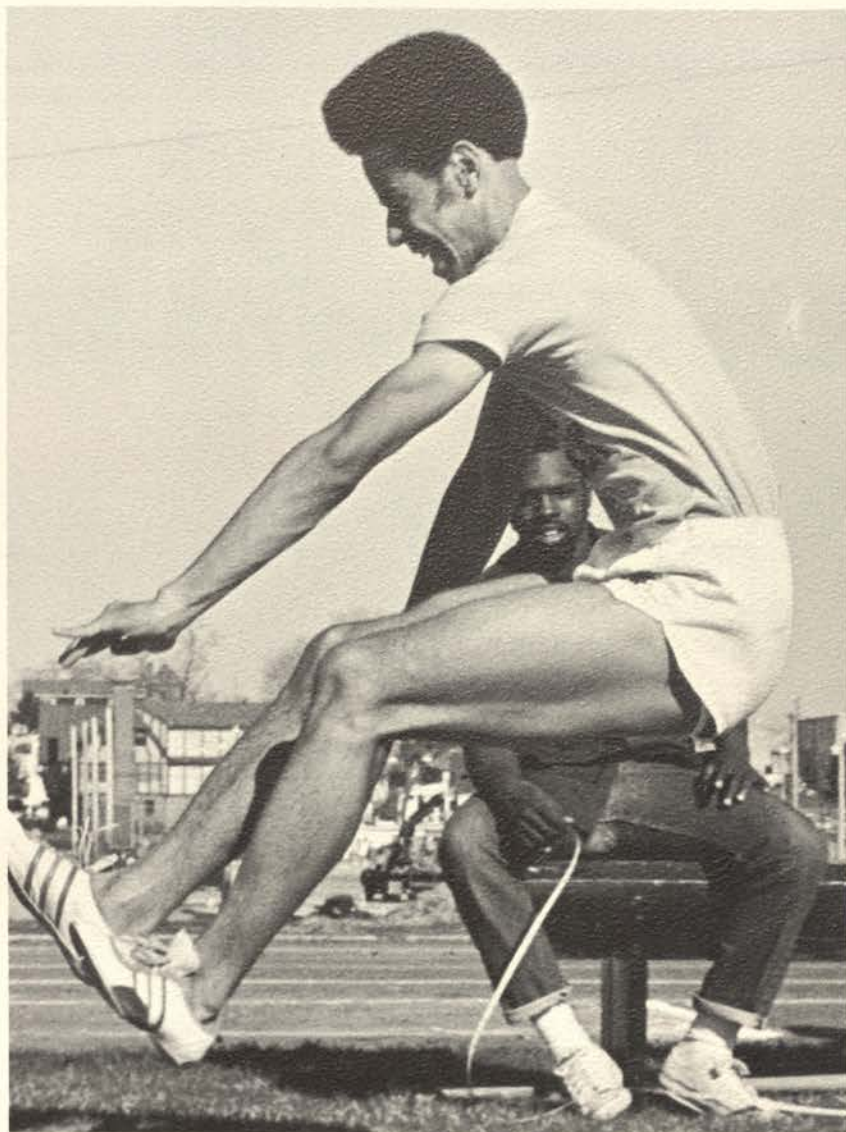
The javelin throw, one of track's pure individual events, took many long, tough hours of hard work to perfect to peak performances.

#### SEASON RESULTS

| UMR          | OPPONENTS                          |
|--------------|------------------------------------|
| 99 . . . . . | Washington University . . . . . 46 |
| 80 . . . . . | Missouri Valley . . . . . 65       |
| 120. . . . . | Evangel College . . . . . 25       |
| 75 . . . . . | SMS-Springfield . . . . . 70       |
| 109. . . . . | Principia College . . . . . 36     |
| 94 . . . . . | School of the Ozarks . . . . . 51  |

MIAA CONFERENCE-FOURTH PLACE





Stretching forward to acquire the greatest possible distance, Ron Curby, who also ran the hundred-yard dash, was a pleasant surprise to the track team.



Discus thrower for the Miner squad is football linebacker, Ed Hanstein, who also participated in the shot put and javelin.



The high jump is one of the most beautiful events, needing a well executed effort of approach, spring, kick, and landing.





FRONT ROW: Stack, D., Ward, R., Nolle J., Frankforter, D., Hahn, D., Bailey, J., Bell, A., Podgorny, T.; ROW 2: Rhea, L., Unterreiner, C., Gegg, J., Fernwald, G., Pekarik, M., Heifner, R., Smart, E., Brad-

shaw, M., Rothermich, R.; ROW 3: Windish, M., Miera, D., Scanlon, M., Frisbee, T., Wilson, B., Sherman, G., Coleman, E.

The baseball Miners finished this year's season with an 8-13 record. The team started out at a slow pace, winning only 1 out of the first 5 games, but as the season progressed the team seemed to find the groove. As the Miners entered the last three games of the season, the hopes were high that they would win the MIAA conference championship, but due to three heart-break-

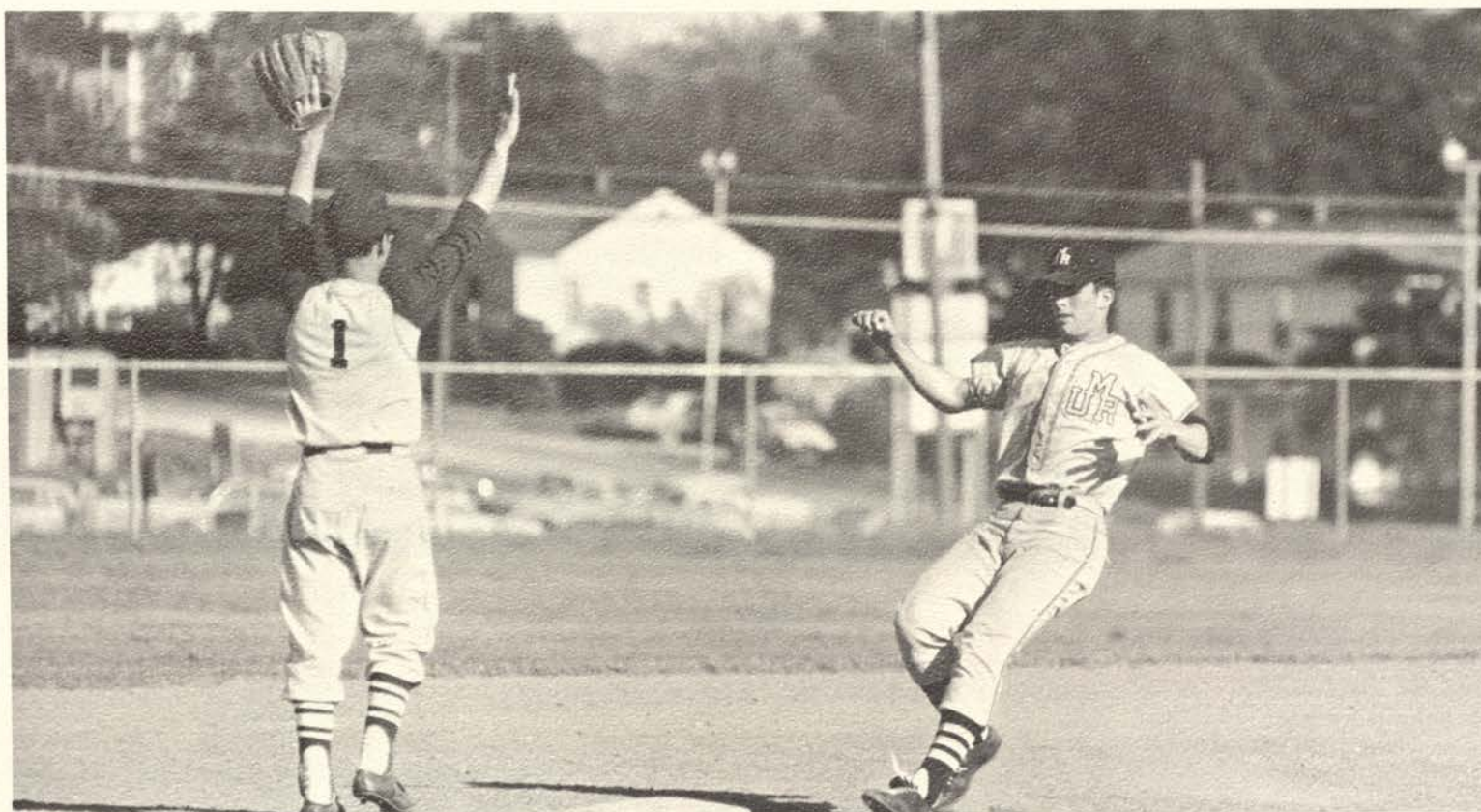
ing games with Springfield, all hope was lost, and the Miners took third place in the conference.

Outstanding individual performances in hitting and pitching were turned in this season. Pete Colombatto turned in a .375 batting average and Ed Smart posted a .280 average. Dennis Stack had 22 strike outs for 29 innings pitched and Tom Frisbee had 15 strike outs in only 18 innings.

Dennis Miera, the Miner's catcher, takes a mighty swing at a fast ball from Cape Girardeau's pitcher. The Miners went on to win the game 4-3.







There is no play at third, as Dennis Miera comes in with a stand up triple. The Miners, after a slug fest, beat School of Ozarks 11-4.

## Baseball team shows 8-13 record

### SEASON RESULTS

| UMR | Opponent         |    |
|-----|------------------|----|
| 10  | Mo. Valley       | 3  |
| 5   | Springfield      | 6  |
| 1   | Springfield      | 13 |
| 0   | Springfield      | 2  |
| 7   | School of Ozarks | 8  |
| 7   | Harris           | 9  |
| 11  | School of Ozarks | 4  |
| 5   | School of Ozarks | 1  |
| 0   | Cape Girardeau   | 1  |
| 0   | Cape Girardeau   | 9  |
| 4   | Cape Girardeau   | 3  |
| 4   | Wash. U.         | 10 |
| 0   | SIU Edwardsville | 1  |
| 1   | SIU Edwardsville | 5  |
| 2   | Cape Girardeau   | 1  |
| 2   | Cape Girardeau   | 1  |
| 3   | Cape Girardeau   | 2  |
| 0   | Springfield      | 3  |
| 1   | Springfield      | 2  |
| 3   | Springfield      | 13 |

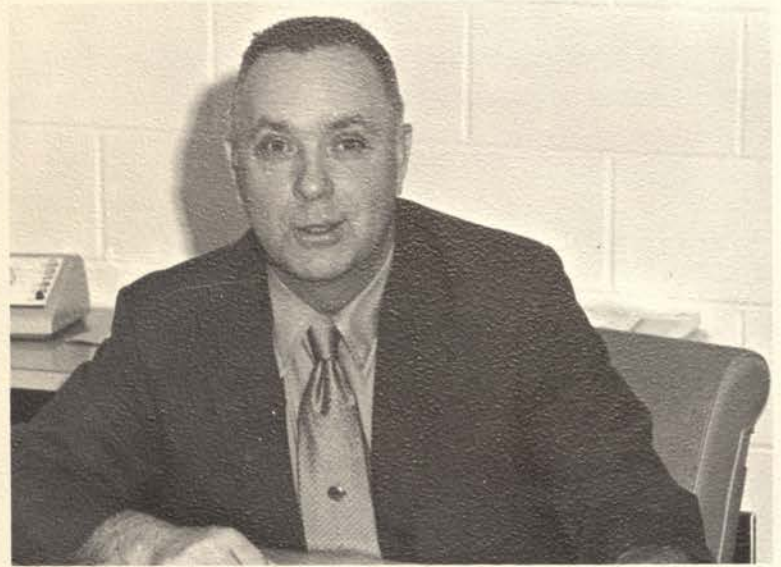
Mike Windish, the outstanding third baseman for the Miners, gets ready to hit the on-coming pitch from Springfield's pitcher. The Miners lost 2-1.







Billy Key-Athletic Director  
Basketball Coach



Dewey Allgood  
Football coach

## Coaches perform vital functions at UMR



Lyle Rhea  
Baseball Coach



Burr Van Nostrand  
Intramural Director

Ray Morgan  
Tennis Coach



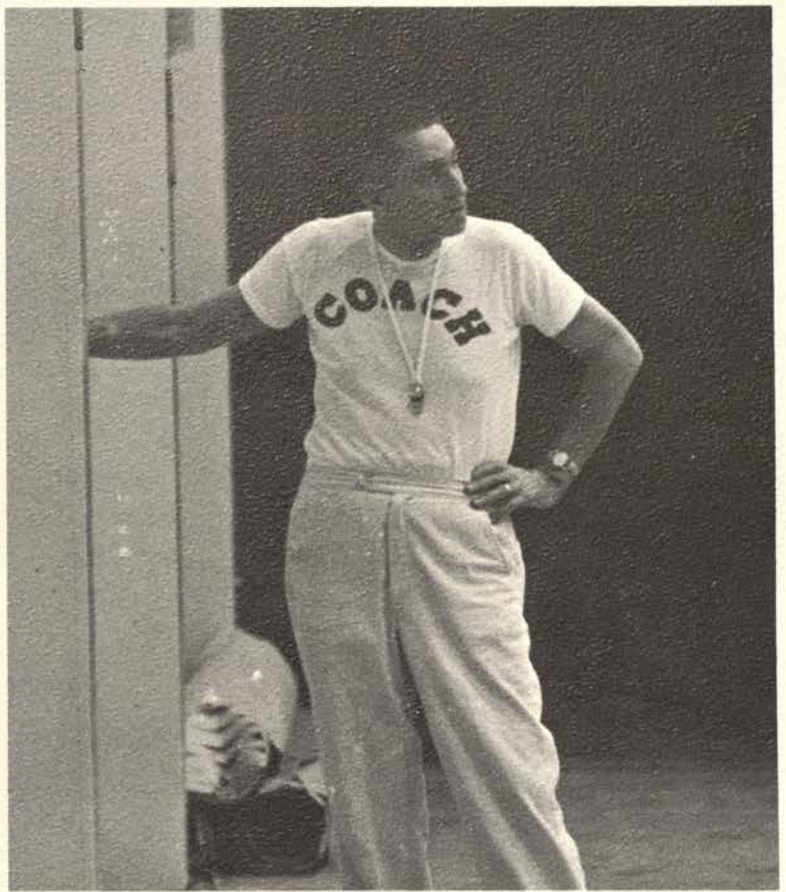
August Mercier  
Golf Coach



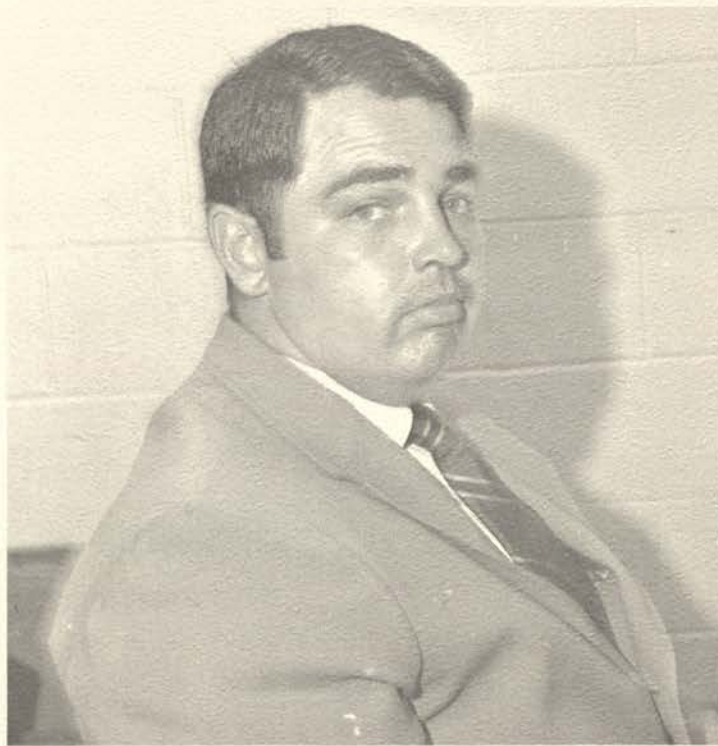




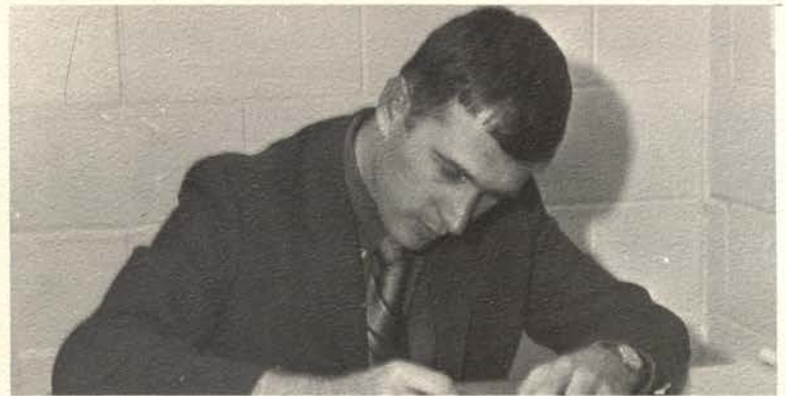
Charles Finley  
Assistant Football Coach



Gerald Hedgepeth  
Assistant Basketball Coach



Joe Keeton  
Wrestling Coach

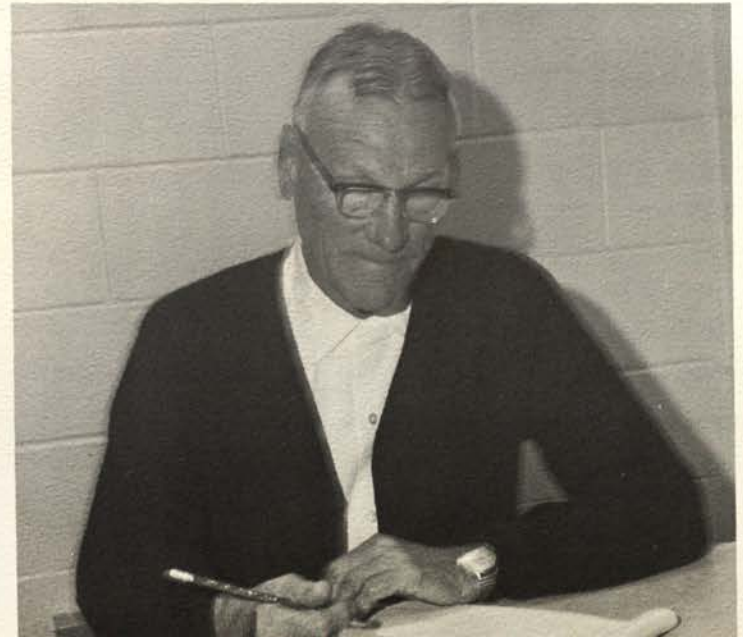


Bill Flentje  
Trainer

Bob Pease  
Swimming Coach



Gale Bullman  
Cross-Country Coach







FRONT ROW: Welch, P., Sebben, D., Kolaga, J., Butner, M.; ROW 2: Browne, K., Hellwege, J., Kozacik, M., Rice, B., Bullman, G., Coach.

Bob Rice, one of UMR's truly outstanding long distance runners, gets out of the crowd of Lincoln U. men. Edging their way through the crowd also, were Keith Browne and Mike Kozacik.

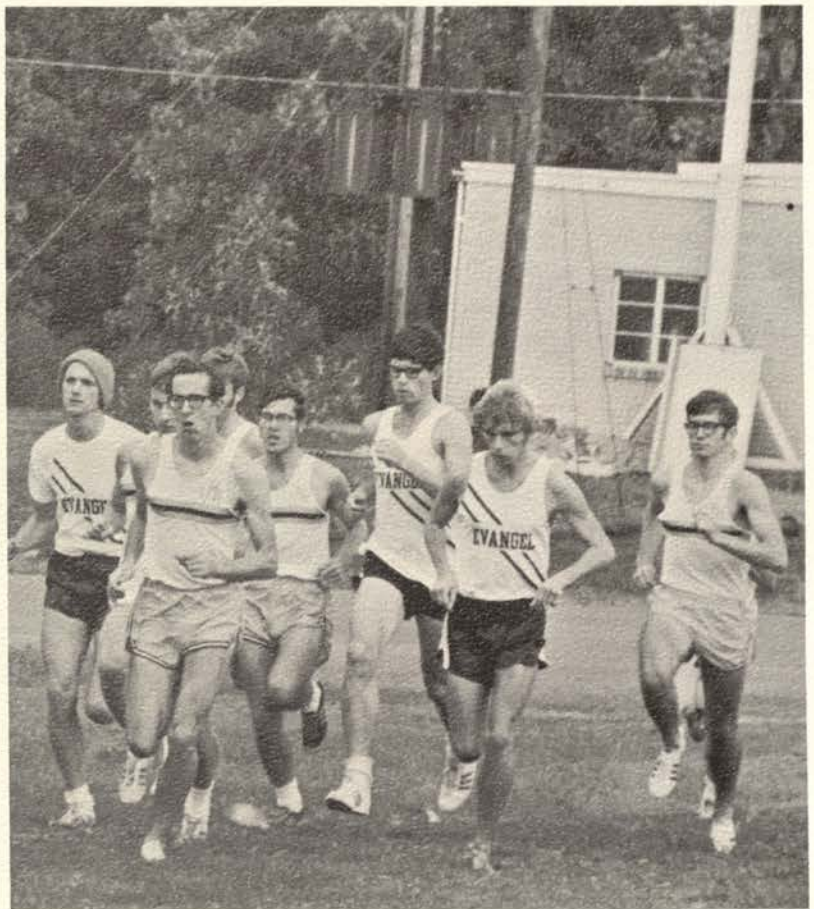
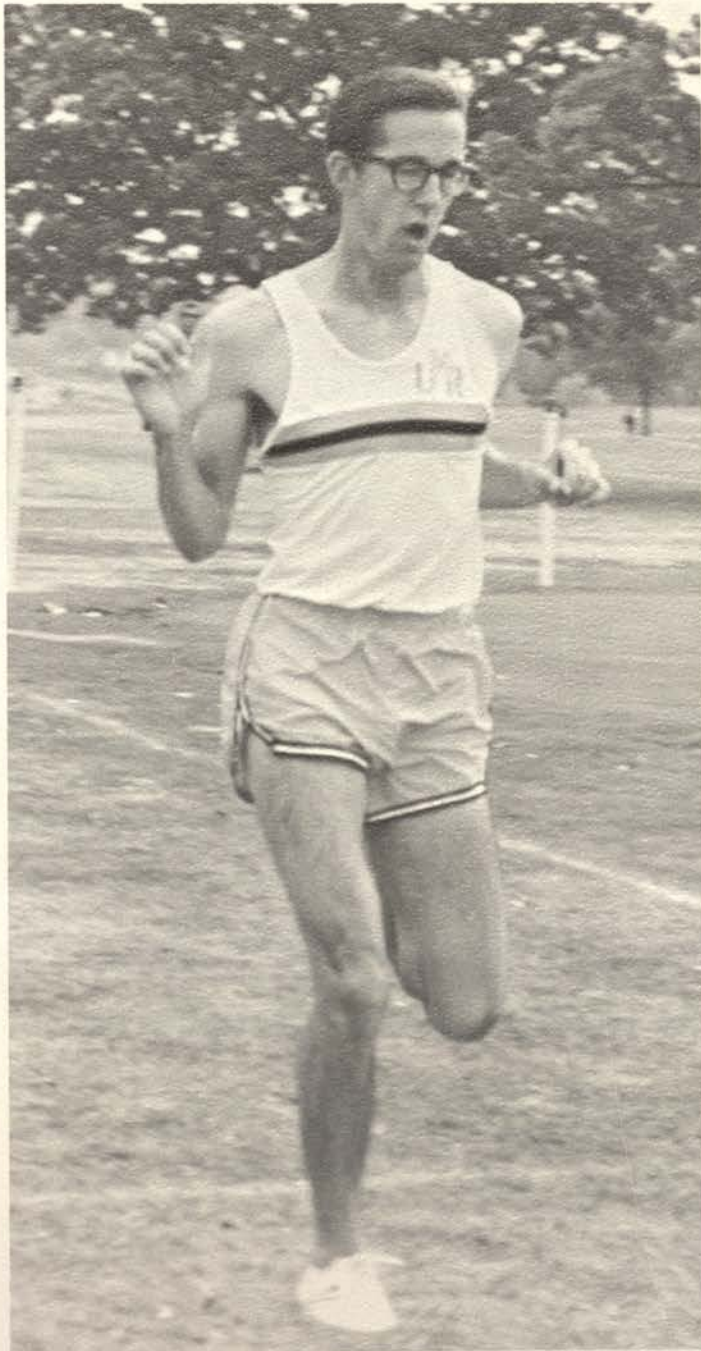




# Cross Country

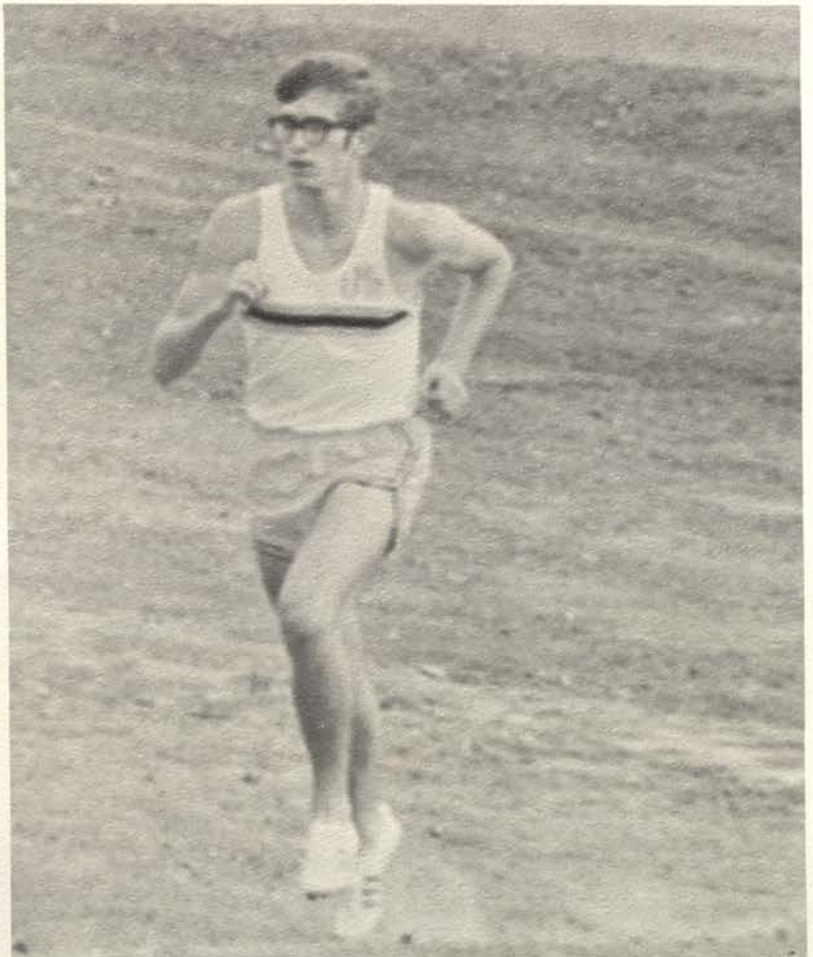
The UMR cross country team this year had a very rough schedule but wound up the season with a 3-3 conference record. The captain of the distance men was Keith Browne. Browne was the only senior on the squad and was also a four-year letterman. In a meet with Evangel College of Springfield in late October, Bob Rice broke the old UMR course record with a time of 26 minutes 24 seconds, 49 seconds better than the previous course mark. Keith Browne also finished below the old record with a 26 minutes 54 seconds time. Overall, in the Evangel meet, the Miners took the first six spots, which made for a very impressive showing. All in all, the Miner cross country team had a very successful season and, with the talent returning next year, should do well again.

In the match with Springfield, the Miners' Bob Rice crosses the finish line all alone to take second place.



Bob Rice shows early speed in the cross country with Evangel. Bob along with other members of the team, showed great form this year against their opponents.

Here, Keith Browne shows the form that earned him three UMR letters in cross country, as he leads the pack, in a meet against Evangel College.





# Engine Club repeats as intramural champion

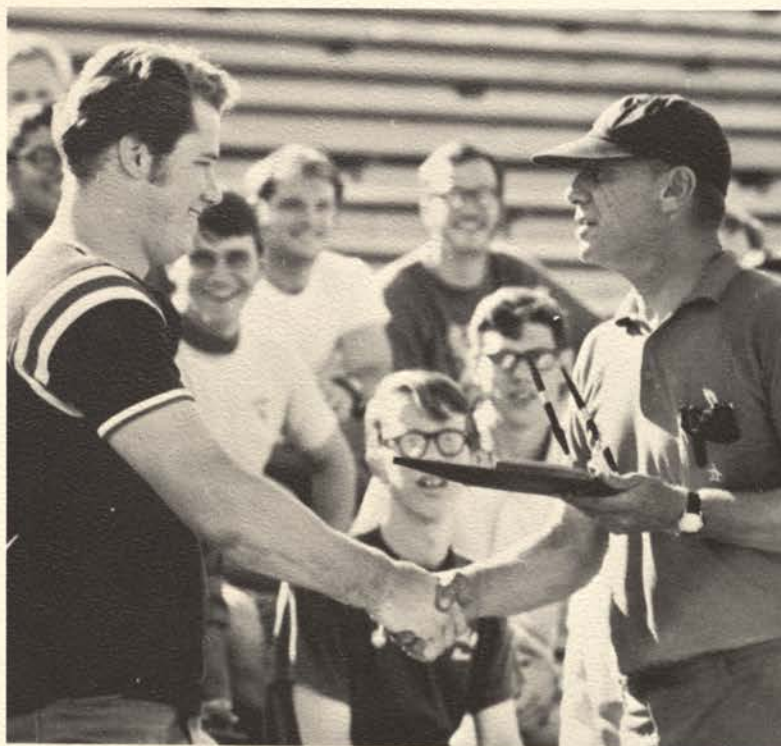
|                                     |         |
|-------------------------------------|---------|
| 1. Engineers Club . . . . .         | 2137.00 |
| 2. Lambda Chi Alpha . . . . .       | 2117.00 |
| 3. 59'ers Club . . . . .            | 1950.50 |
| 4. Sigma Phi Epsilon . . . . .      | 1910.25 |
| 5. Kappa Sigma . . . . .            | 1905.50 |
| 6. Sigma Pi . . . . .               | 1876.25 |
| 7. Kappa Alpha . . . . .            | 1860.25 |
| 8. Tau Kappa Epsilon . . . . .      | 1749.50 |
| 9. Beta Sigma Psi . . . . .         | 1733.75 |
| 10. Thomas Jefferson . . . . .      | 1724.50 |
| 11. Tech Club . . . . .             | 1645.00 |
| 12. Pi Kappa Alpha . . . . .        | 1640.00 |
| 13. M.R.H.A. . . . .                | 1610.25 |
| 14. Phi Kappa Theta . . . . .       | 1532.75 |
| 15. Shamrock Club . . . . .         | 1456.50 |
| 16. Sigma Nu . . . . .              | 1386.75 |
| 17. Sigma Tau Gamma . . . . .       | 1321.00 |
| 18. Delta Sigma Phi . . . . .       | 1282.50 |
| 19. Campus Club . . . . .           | 1062.25 |
| 20. Alpha Phi Alpha . . . . .       | 1027.00 |
| 21. Delta Tau Delta . . . . .       | 1014.50 |
| 22. Theta Xi . . . . .              | 1002.50 |
| 23. Alpha Epsilon Pi . . . . .      | 968.50  |
| 24. Pi Kappa Phi . . . . .          | 838.25  |
| 25. Wesley . . . . .                | 826.25  |
| 26. Prospector's Club . . . . .     | 757.00  |
| 27. Baptist Student Union . . . . . | 709.50  |
| 28. Triangle . . . . .              | 622.00  |
| 29. Liahona . . . . .               | 575.25  |
| 30. Acacia . . . . .                | 512.25  |
| 31. Theta Chi . . . . .             | 492.25  |



Three proud members of Engineers' Club accept the overall intramural trophy for the second consecutive year from Burr Van Nostrand, intramural director.



Sigma Phi Epsilon received the consolation trophy, coming in fourth in overall intramurals. Chas. Barger accepts the trophy for Sig Ep.



Accepting the intramural "Athlete of the Year" award from Coach Van Nostrand, Ron Griesenauer from Sig Ep smiles from ear to ear over his accomplishment.

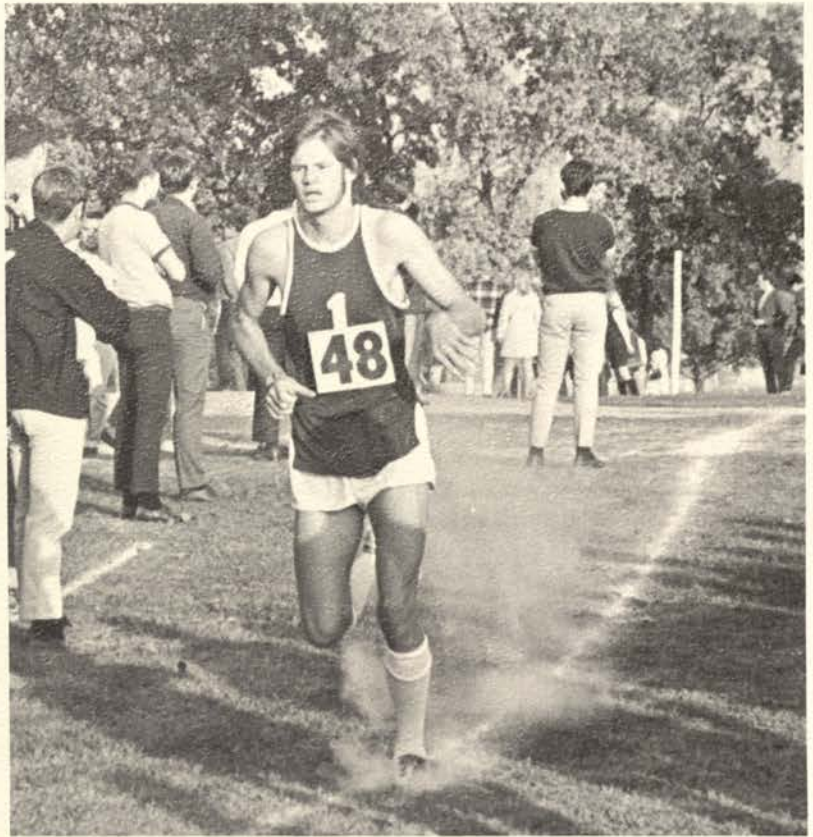
The 100-yard dash in intramural track was nip and tuck all the way, however, Shamrock Club out ran Alpha Phi Alpha by a half step in the final outcome.





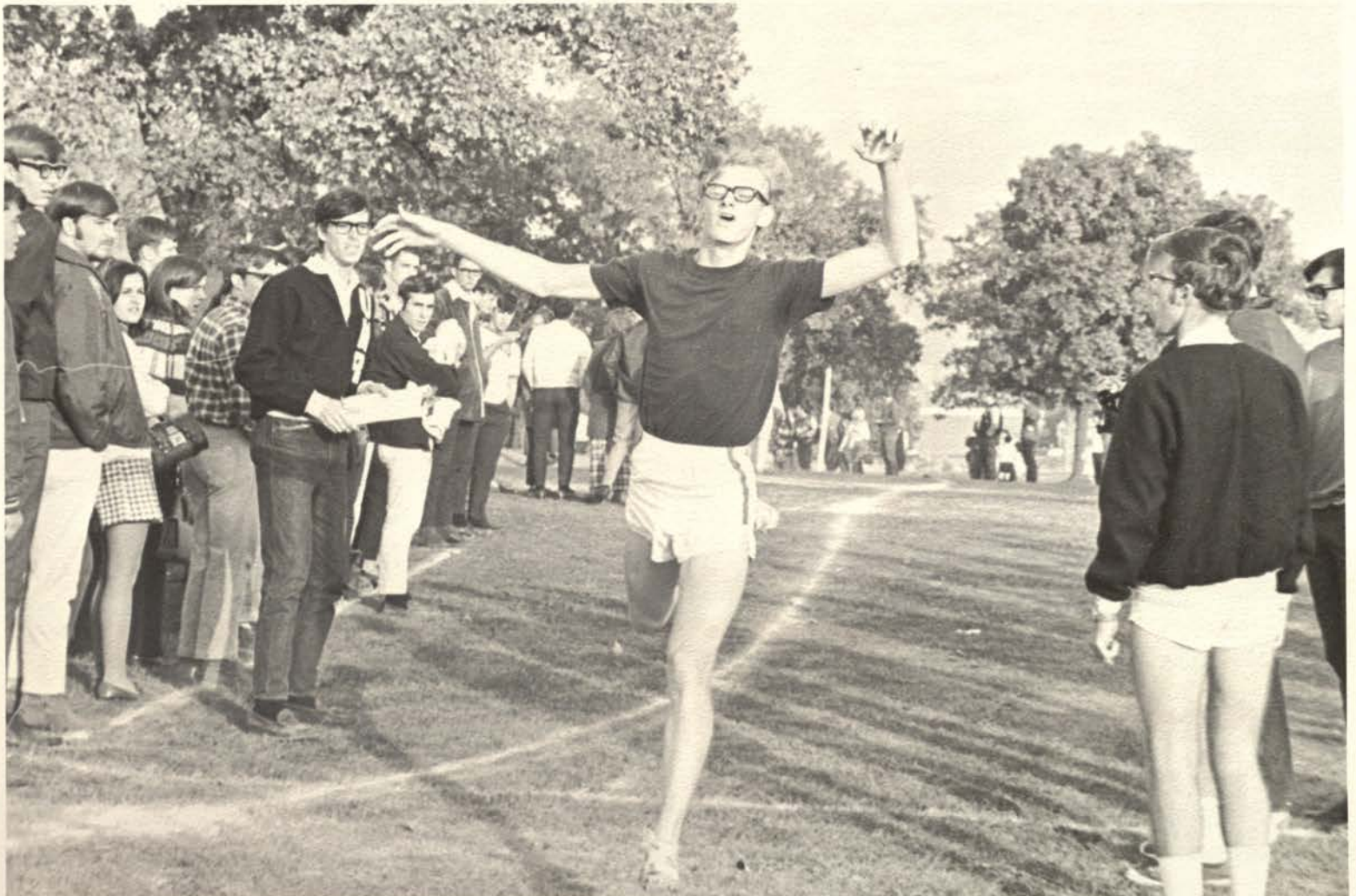
## Engine Club wins 'mural cross country

The new two-mile cross country course seemed to be no struggle for Tech Club's Bob Virgin, who finished first in the intramural cross country meet. Virgin crossed the string in a fantastic winning time of 10:04. The runner-up was Robert Chevak of the MRHA. The winning team was Steve Lamb and Harry Wissmann of Engineers' Club, who finished eighth and fourth respectively. The team of Miller and Kinaderman of Lambda Chi Alpha were close behind Engine Club. They held the sixth and seventh spots to give Lambda Chi Alpha runner-up honors. Finishing out the top ten spots were 59'ers, Delta Sigma Phi, Beta Sigma Psi, Sigma Phi Epsilon, Kappa Sigma, MRHA, Shamrock Club and Alpha Phi Alpha. This victory in the cross country put Engineers' Club in first place in overall intramurals.

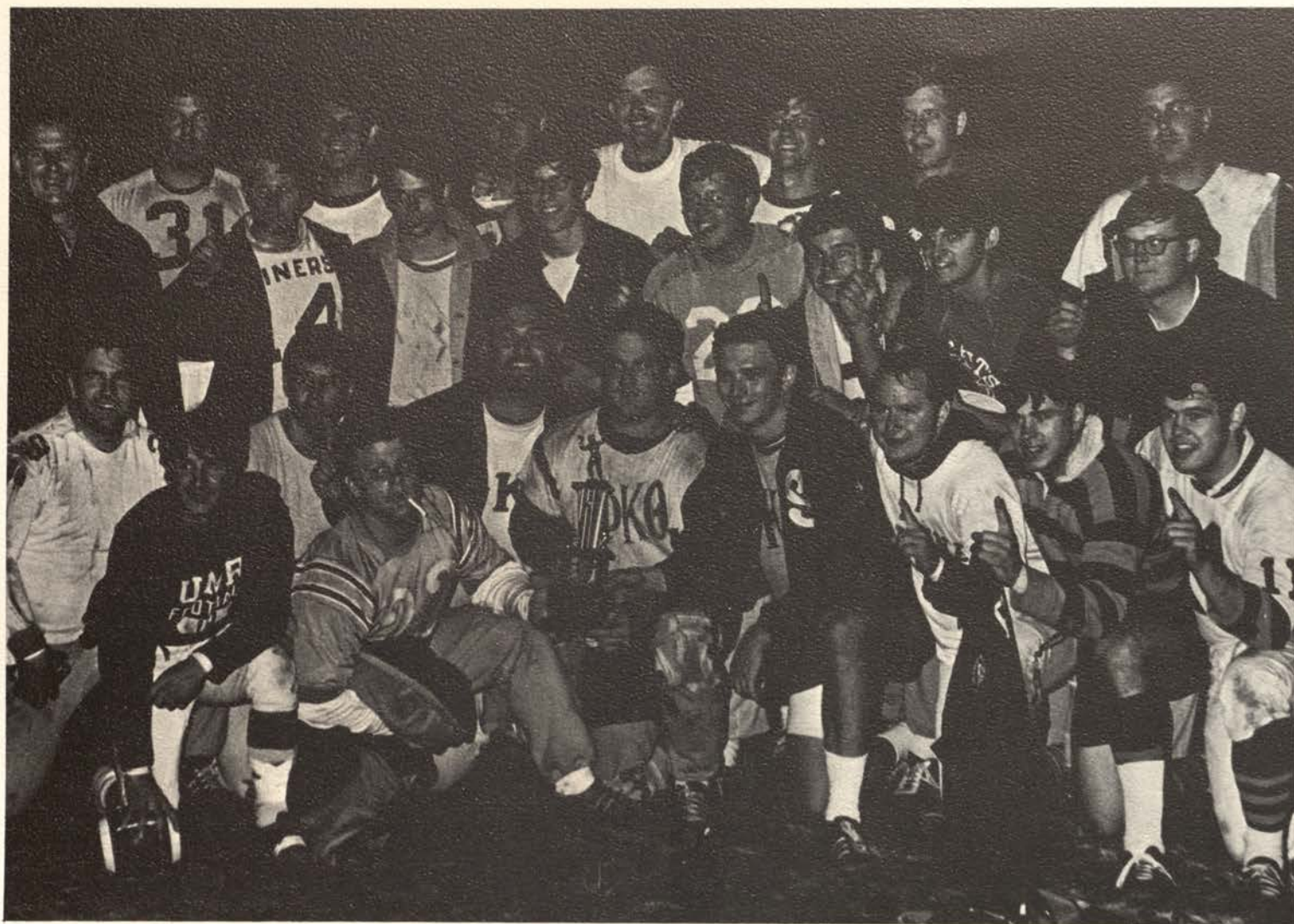


Finishing second in cross country was Robert Chevak of the MRHA. The event was held on the Friday afternoon of Homecoming party weekend on the golf course.

Tech Club's Bob Virgin breaks the tape as he crosses the finish line in intramural cross country with a winning time of 10:04.







Members of the intramural football champions from Phi Kappa Theta laugh it up after winning their second consecutive football title.

## Football title stays with Phi Kappa Theta

Phi Kappa Theta successfully defended their intramural football championship as they defeated a determined Lambda Chi Alpha team, 19-13.

Phi Kap's defense held Lambda Chi's rushing yardage to a minus 21 yards. Phi Kap managed 65 yards on the ground. Lambda Chi found good success in the air with a flat pass pattern, racking up a total of 183 yards in the air. Quarterback Larry Kruse of Phi Kap completed 8 of 15 passes for 119 yards. Phi Kap's defense managed to pick off five passes at key points in the game.

In an exciting wrap-up to the intramural football season, Tau Kappa Epsilon and Beta Sigma Psi put on an awesome offensive display, with TKE prevailing in the end, 35-33. The lead bounced back and forth between the two teams. John Lambert, quarterbacking for TKE, connected time and again to keep their offense moving. Lambert's favorite receivers were flankerback Steve Williams and tight end Jim Roberts. Dave Witte was moving Beta Sig with equal success on passes to Krueger, Kremmel, and Guilveyan. TKE's Steve Williams scored three touchdowns and kicked five extra points, accounting for the final two-point difference between the two evenly matched teams.

This sign told the story after Phi Kap's thrilling victory.



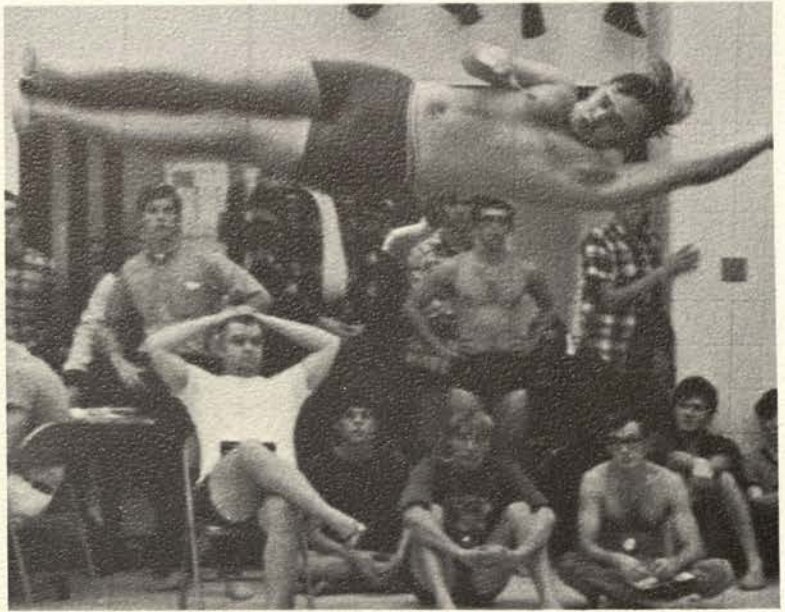
Defensive back Mike Windish anguishly tried to knock down a completed Lambda Chi pass.







Reflected in a mirror of water, this determined participant in the breaststroke event has a long way to go to eventual victory.



Flying through the air with the greatest of ease, one of the diving entries seemed bored with the idea of entering the water in the conventional manner.



Coming up for a quick breath of air, this devoted intramural swimmer has nearly commenced his 50-yard freestyle jaunt in the pool.

## Kappa Sigma captures first in swimming

For the first time since Jackling Gym was torn down, swimming was included in the intramural sports program. There were nine events, two relays, six individual events, and diving. Kappa Sigma was the winner this year as they rolled up 35.5 points to runnerup Sigma Pi's 32.5 points. Kappa Sig took a first and two seconds in the individual events, while Sig Pi took a first, a third, and a tie for third. Kap Sig took first in the 200-yard freestyle while Sig Pi took a first in the 200-yard freestyle relay and a second in the medley relay.

Individual records in the meet are as follows: 100-yard freestyle-Vasburg, Sigma Phi Epsilon; 75-yard medley-Curtis, Sigma Pi; 50-yard freestyle-Hinkle, Thomas Jefferson; 50-yard backstroke-Yack, Thomas Jefferson; 50-yard breaststroke-Richmond, Engineers Club; 50-yard butterfly-Kruetz, Kappa Sigma; and diving-Flaminio, Phi Kap.

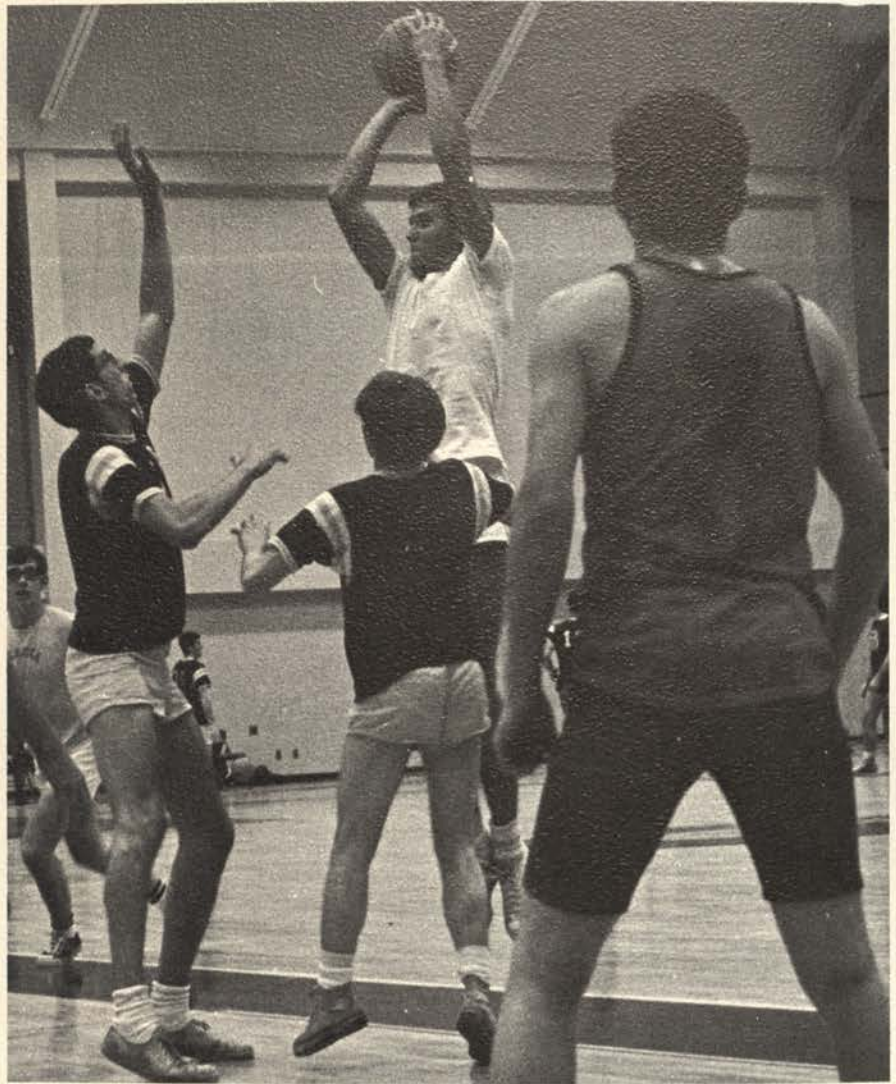


In the upside down world of championship diving, this fellow is true to his profession, as he performed before a packed, captivated audience.





An unidentified member of 59'ers Club leaped high in a futile attempt to steal the rebound from his opponent.



All the organizations on campus participated feverishly in the intramural basketball games so they might become one of the elite group of the "Big Four."



Letting go with a long jump shot from the baseline was a TKE player, as his teammates battled underneath the basket for good rebounding position.

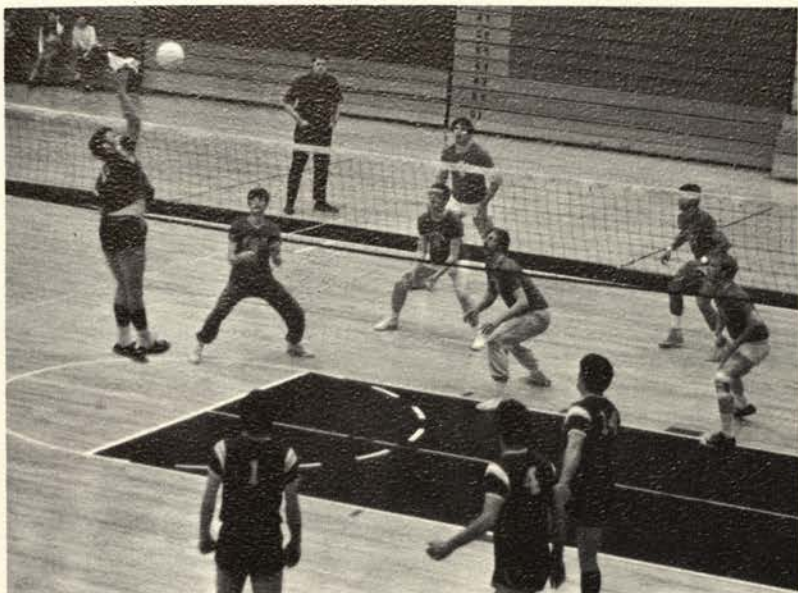
## Tech Club ends five-year reign of 59'ers

The five-year domination of the 59'ers Club in basketball came to a dramatic end as Tech Club squeaked by the reigning champs, 63-57. Tech Club was spirited by the outstanding play of Barry Koenemann and Mike Richey. Tech Club emerged victorious from a three-way league playoff, a double overtime victory over T.J., and a final battle with 59'ers. 59'ers had won 53 consecutive games before losing in the finals. Thomas Jefferson captured third place with a 71-52 victory over Kappa Alpha.

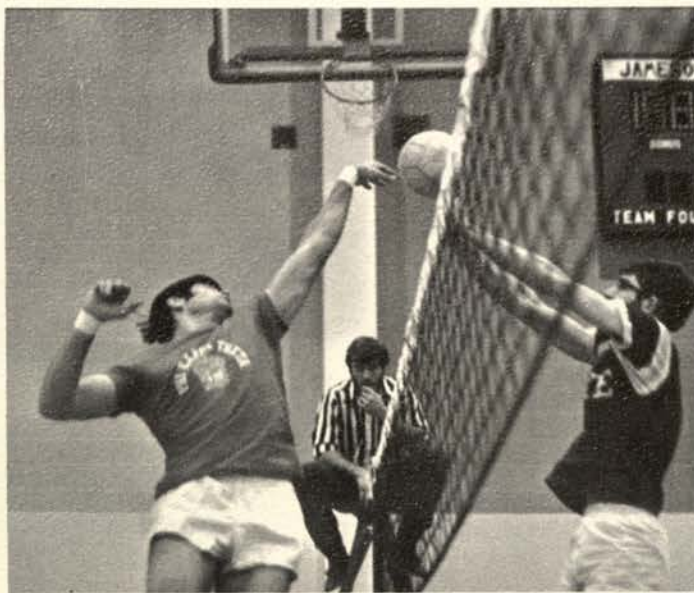


With all eyes looking toward the ball, the intense concentration of the players is reflected in their hard, determined expressions.





The Phi Kappa Theta volleyball players set themselves in position in order to return a hard spike from a Lambda Chi Alpha opponent.



Not knowing which direction the volleyball would fall, both players jumped for it as the ref watched to make sure no one fouled.



Leaping high above the net to smash a good set from a teammate, spiker Mike Windish was an important member in Phi Kap's return to volleyball supremacy.



Other teams battled for first place in their respective leagues, but only a few top teams were able to overcome their faults and make it.



Phi Kappa Theta's victory over Lambda Chi Alpha marked the second time this year Lambda Chi had failed to win a championship game against them.

## Phi Kap wins second major championship

Phi Kappa Theta won their second major title of the year as they defeated Lambda Chi in two straight games for the volleyball championship. On the first round, Phi Kap narrowly defeated Lambda Chi, and Sig Ep romped over 59'ers Club. In second round play, Phi Kap nudged by Engineers Club, while TKE came from behind to defeat Sig Ep. Lambda Chi then eliminated 59'ers, as did Sig Ep to Engineers Club. Phi Kap won their third squeaker in a row over TKE, while Lambda Chi was ousting Sig Ep from the tournament. The semi-finals between TKE and Lambda Chi became a hotly contested three-game set, won by Lambda Chi 21-15, 14-21, 21-16. Phi Kap defeated Lambda Chi 21-18, then won the title with a 21-11 second-game victory. The first place in volleyball was Phi Kap's third in the last four years. Tau Kappa Epsilon defeated Sigma Phi Epsilon for third place laurels this year.





Glen Jensen of Sigma Pi, was the key player in Sigma Pi's rise to the finals. His opponents averaged, in the first seven league games, only 2 runs a game.

## Kappa Alpha takes intramural softball

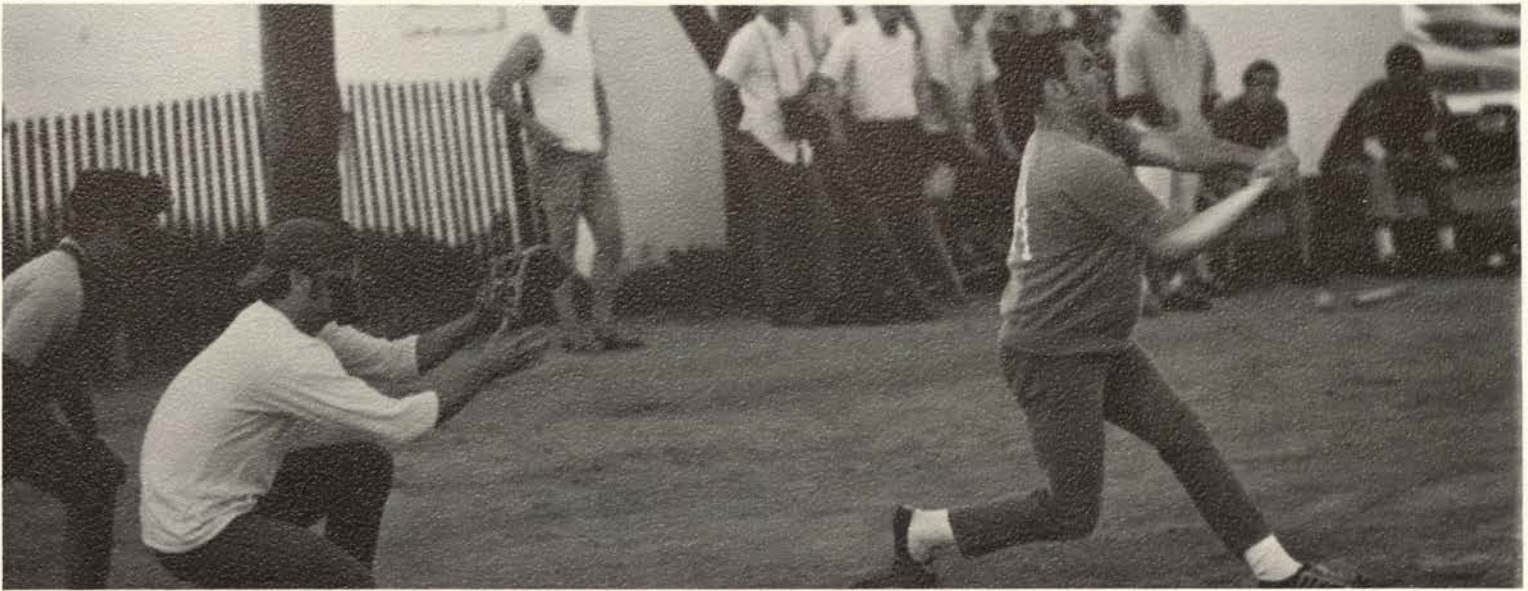
The Intramural softball season started off on a rather wet note this year, with practically all of the games during the first two weeks of the season being rained out. After the rain subsided, four leagues of seven teams each, took the field. At the end of the season there were only four teams left in contention for the championship: Kappa Alpha, Sigma Pi, Kappa Sigma,

and Triangle. In the game for third and fourth place, Kappa Sigma beat Triangle. In the championship game it was A. B. Blalock pitching for Kappa Alpha and Glen Jensen for Sigma Pi. All of the "experts" tagged the game as a pitching duel but as it turned out, it was the hitters night to shine, and Kappa Alpha took a 7-4 decision from Sigma Pi.

Glen Jensen shows his rock on fire and a superb performance, in the championship game between Sigma Pi and Kappa Alpha. Sigma Pi lost 7 - 4.







Dan Carr, of Kappa Alpha, shows his long ball hitting ability by hitting a two-run homer, to help Kappa Alpha take the softball championship.



This Kappa Alpha tries in vain to avoid one of Glen Jensen's very infrequent wild pitches.



The Kappa Alpha sticks were in good form in the Intramural Championship game, as this brother bangs out another hit.

Before the game the Kappa Alpha players huddle around their coach to get their last minute instructions before taking the field against Sigma Pi.





# Lambda Chi Alpha wins 'mural track

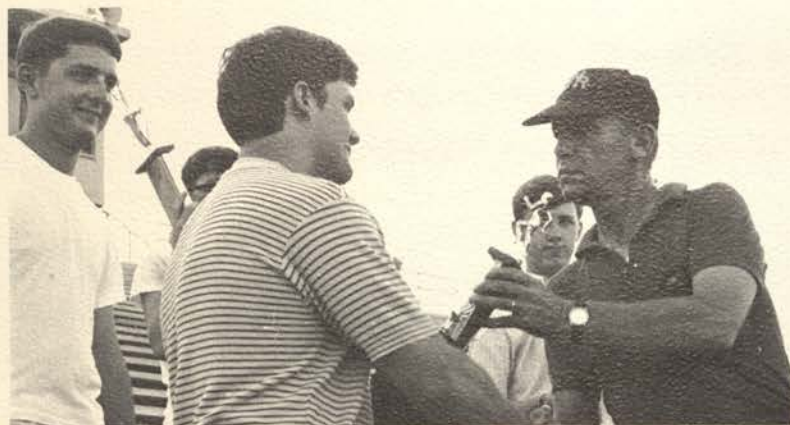
As the Spring Semester came to a close and the leaves and grass began to turn to a bright shade of green, the intramural competition shifted to Jackling Field for the annual intramural track events. This year, 30 organizations were represented in the various events. The winners were, first place, with 27.5 team points, Lambda Chi Alpha, second with 22 accumulated team points, Alpha Phi Alpha, and third with 20 team points, Shamrock. A new record was set by Bob Sorter in broad jump competition, with a jump of 21 feet 8 1/2 inches. In the individual achievements department, Larry Probst, of Beta Sigma Psi took first place in the shot put and discus events.



Pi Kappa Alpha's Steve Biederman gives it all he's got in the broad jump. Biederman did not place in the event.



Miller of Lambda Chi Alpha won his heat of the 880-yard run and finished third in the overall 880 competition.



Receiving the intramural track first place trophy from Coach Burr Van Nostrand is Ed Blanke, representing Lambda Chi Alpha. Lambda Chi won with 27.5 points.

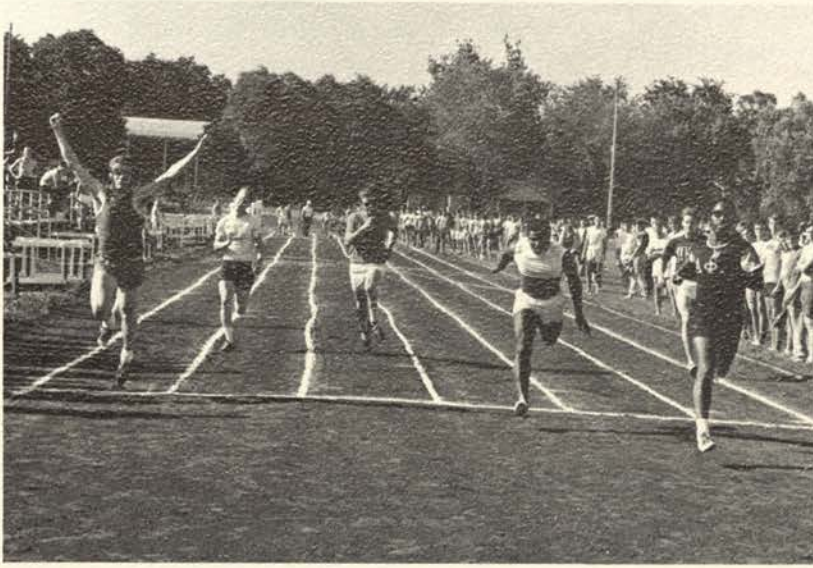


Easing away from his nearest opponent, Herman Hirner of Engine Club gallops to third place in the 70 yard high hurdles event at Jackling Field.



Straining to get over the bar at 5' 8", Chuck Ferry of Kappa Sigma placed third in the broad jump on Thursday afternoon of the three-day meet.





Fred White of Alpha Phi Alpha wins his heat with ease in the 100-yard dash. White placed fifth in the competition.

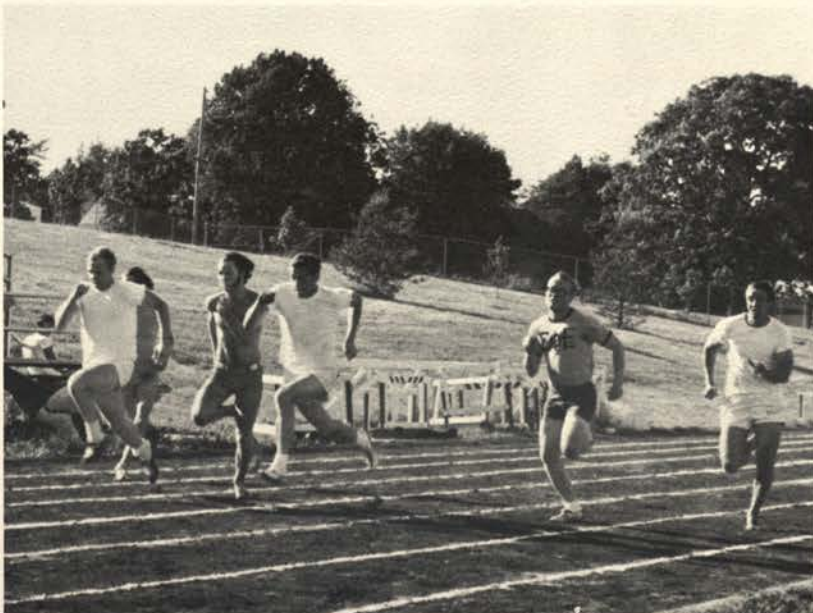


Winning the half-mile run with a fine all-out effort and a time of 2:07.6 was Dougherty of Engineers' Club.

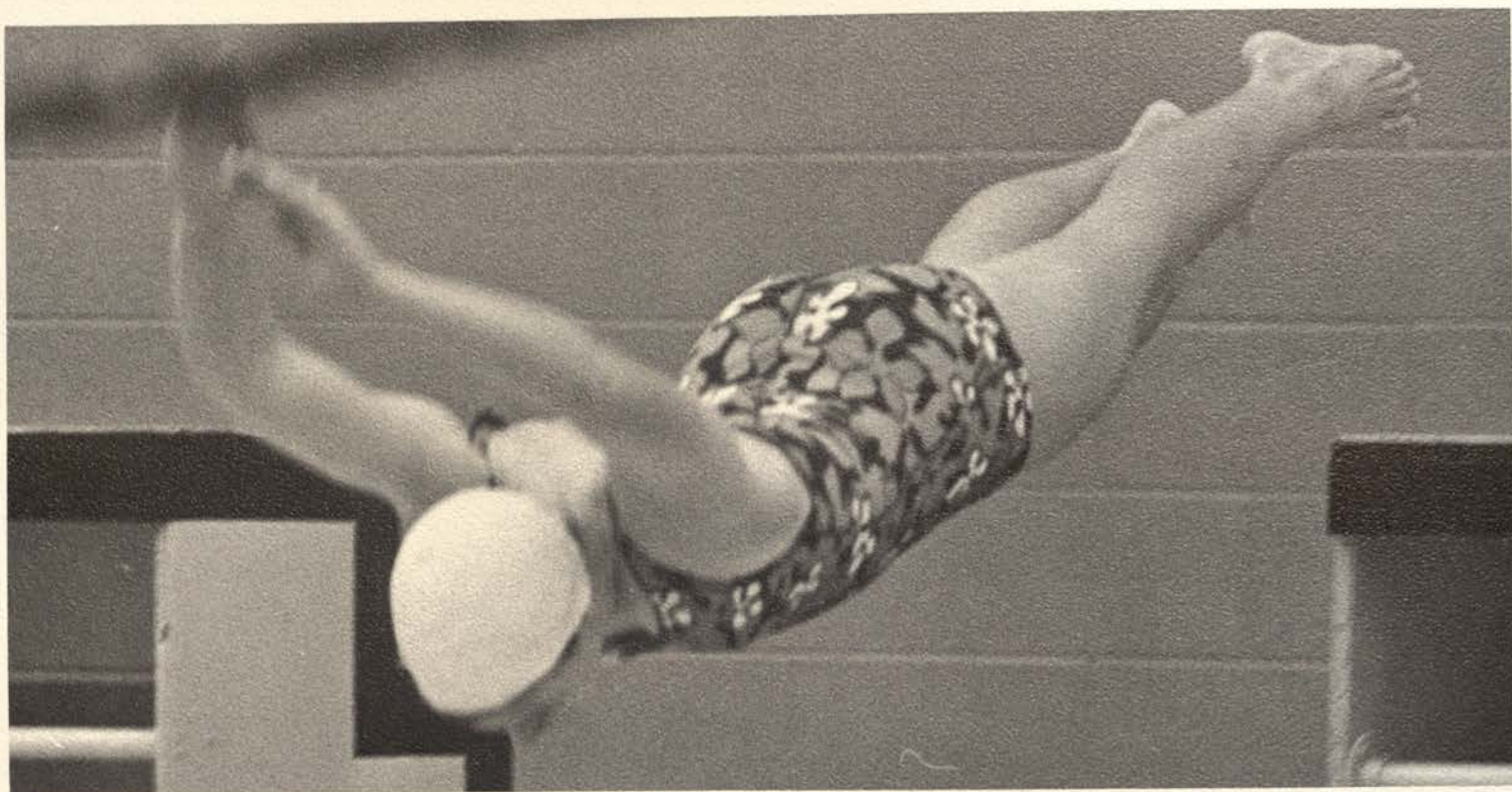


Bob Zerbonia of Engine Club demonstrates his style in the high jump which tied him for fourth place with Bob Perry of Lambda Chi Alpha.

Stepping high to win his heat of the 50-yard dash, Dave Sibigtroth of Shamrock went on to place first in the event over an impressive field of competitors.

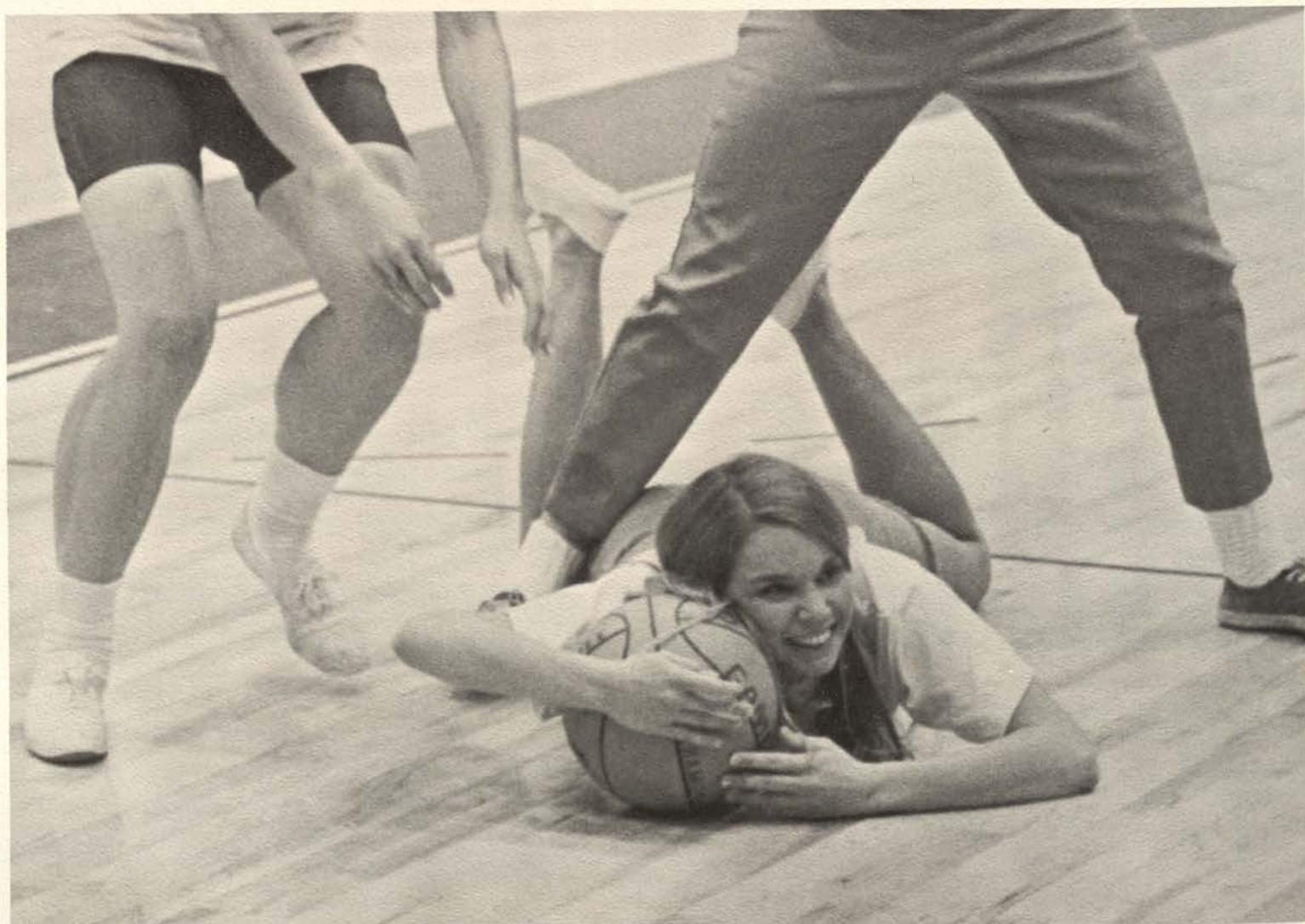




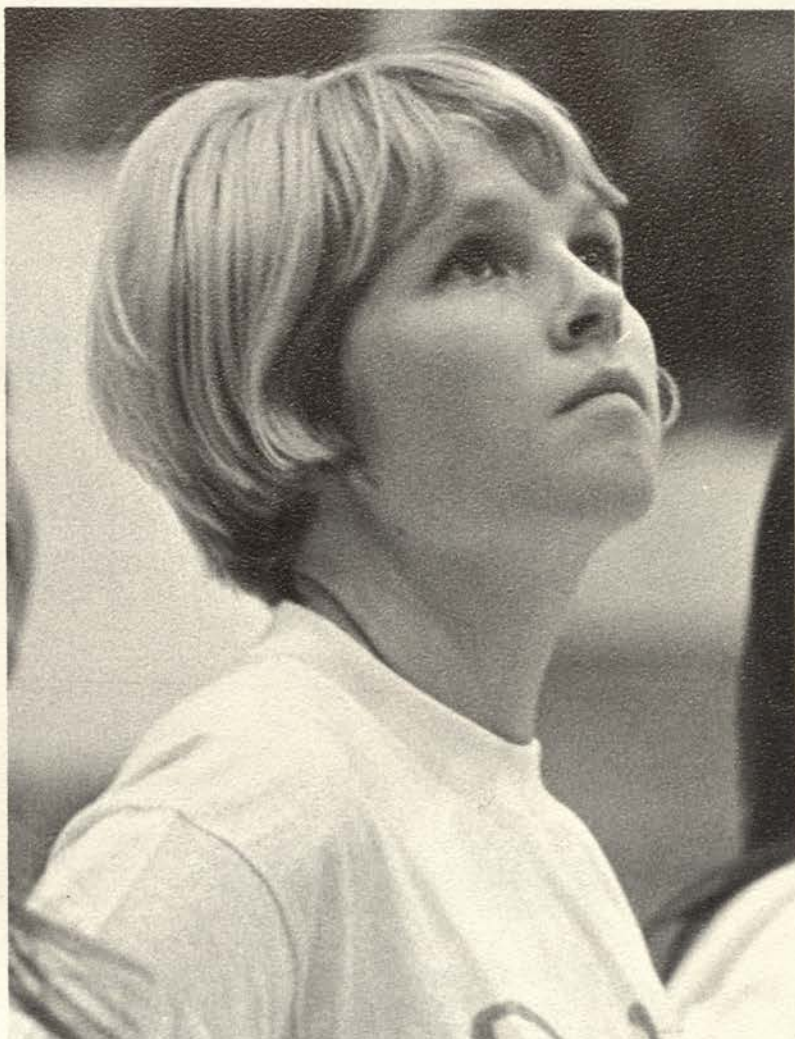


A swimming tournament was one of the major sports in which the girls participated. Their meet was held the same time as the men's finals.

In a typical position for her, cheery Terri Collier dearly hugged the basketball, not wanting anyone to pull it from her strong clutches.



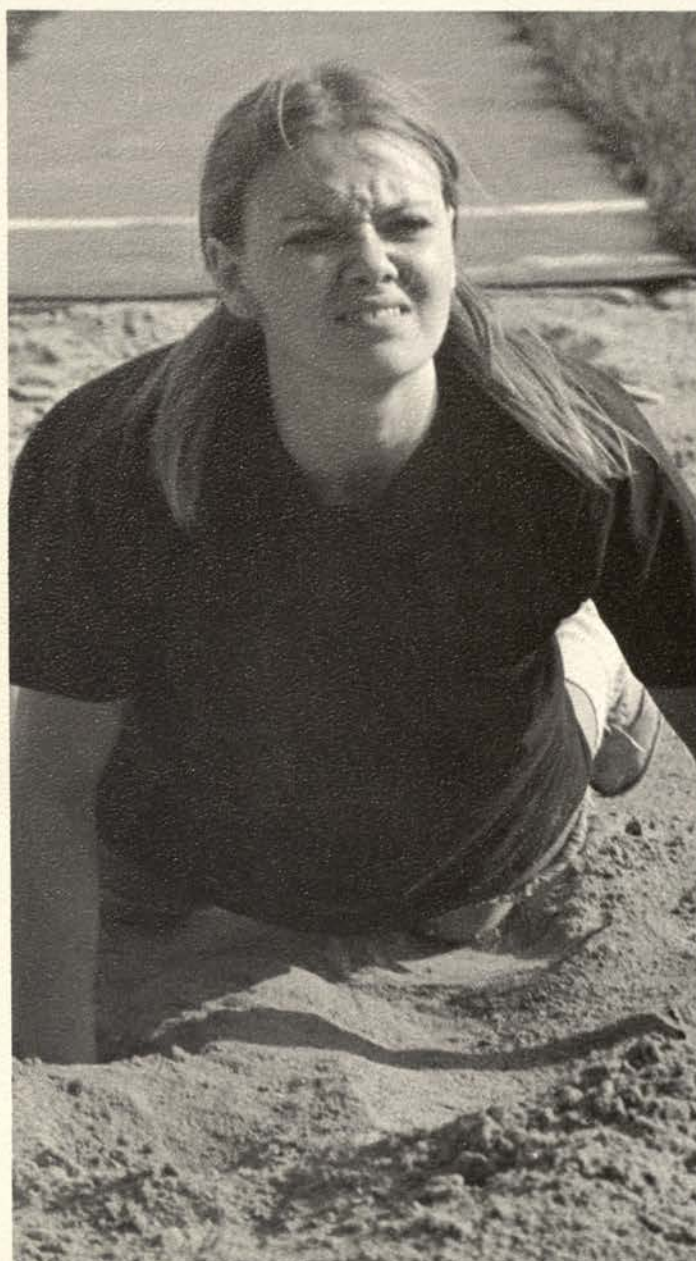




Blond beauty Linda Wollard, a member of the championship Rolla I basketball team, discreetly stole a sly glance at the flashing scoreboard.



Although not a winner since the tape had already been broken, freshman Lynn Brewer, representing W.R.H.A., was a welcome participant in track events.



With a look of finite strain or concern glowing on her face, pretty Barb Johnson awaited the results of her broad jump from the judges.

## Girls' intramurals are completely successful

This year marked the introduction of UMR girls' participation in the past all-male intramural program. Intramural director Burr Van Nostrand looked forward to the innovation in his ever expanding program. Four teams were comprised from this group of girls. They were Rolla I, Rolla II, Thomas Jefferson, and Women's Residence Hall Association. The girls participated in basketball, volleyball, swimming, and track. The events were well attended by a vast majority of cheering male students, who found the play of the teams entertaining and sometimes amusing.

The individual team champions were Rolla I in basketball, Women's Residence Hall Association in volleyball, and Thomas Jefferson in swimming. The overall winner of the girls' intramural program was Rolla I. The first year of participation on the part of the girls was well received. Everyone is anxious for a bigger and better program next year with the arrival of more girls!









# Queens



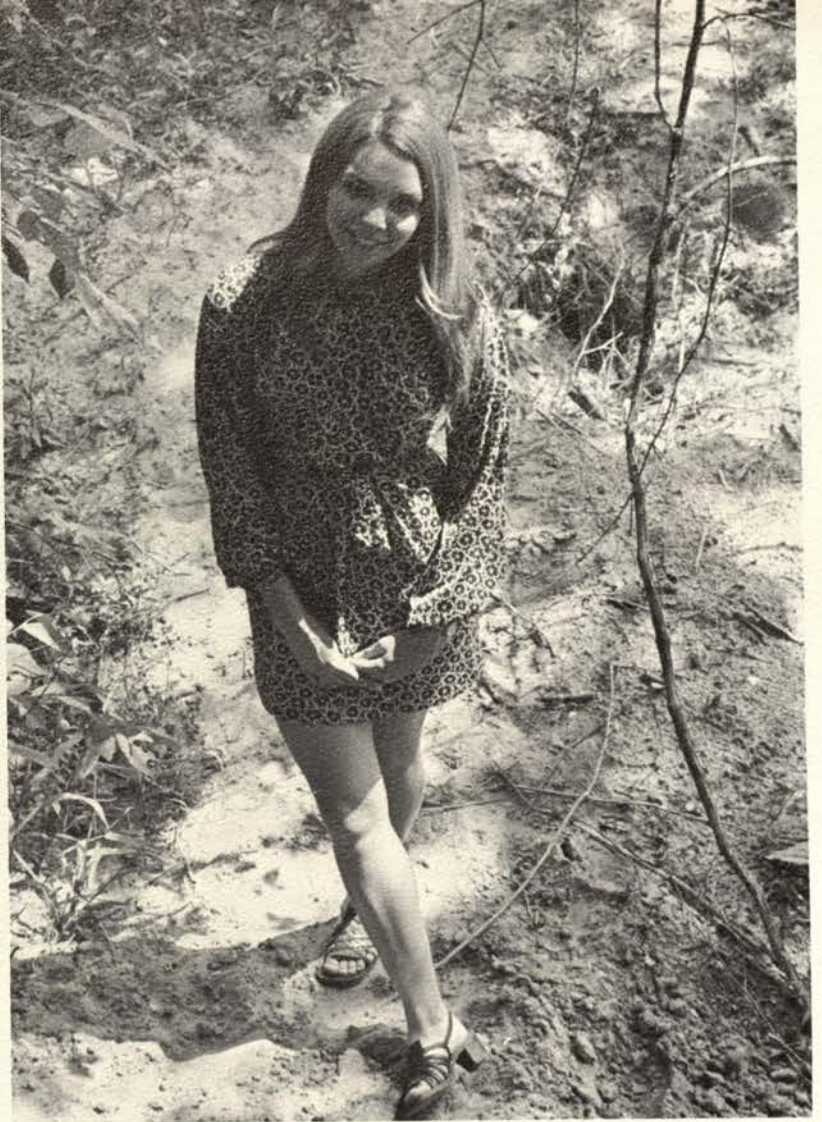
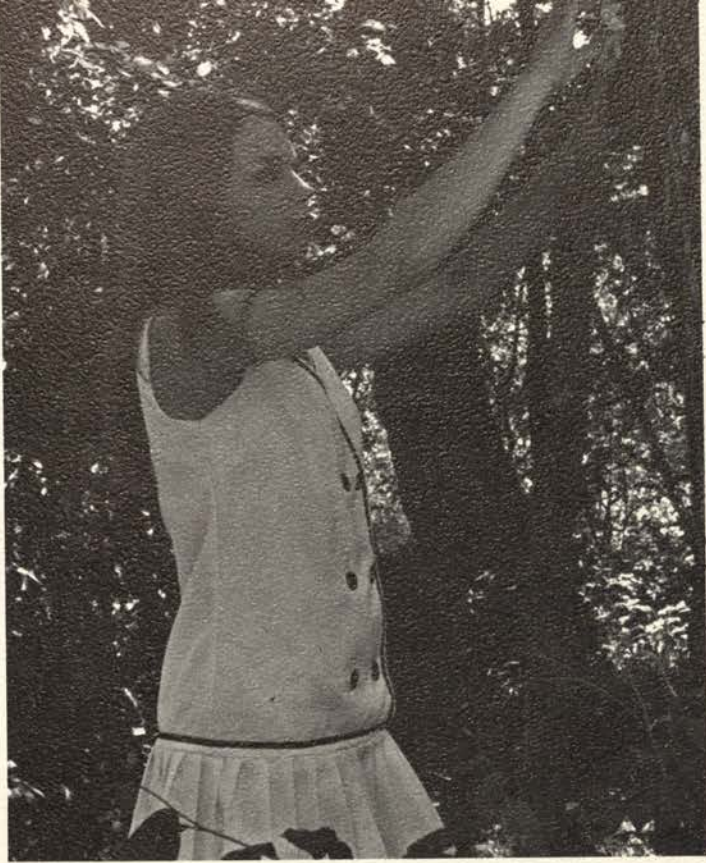




*Miss Terri Collier*

*1970 Rollamo Queen*









*Miss Betsy Thompson*  
*1969 Homecoming Queen*



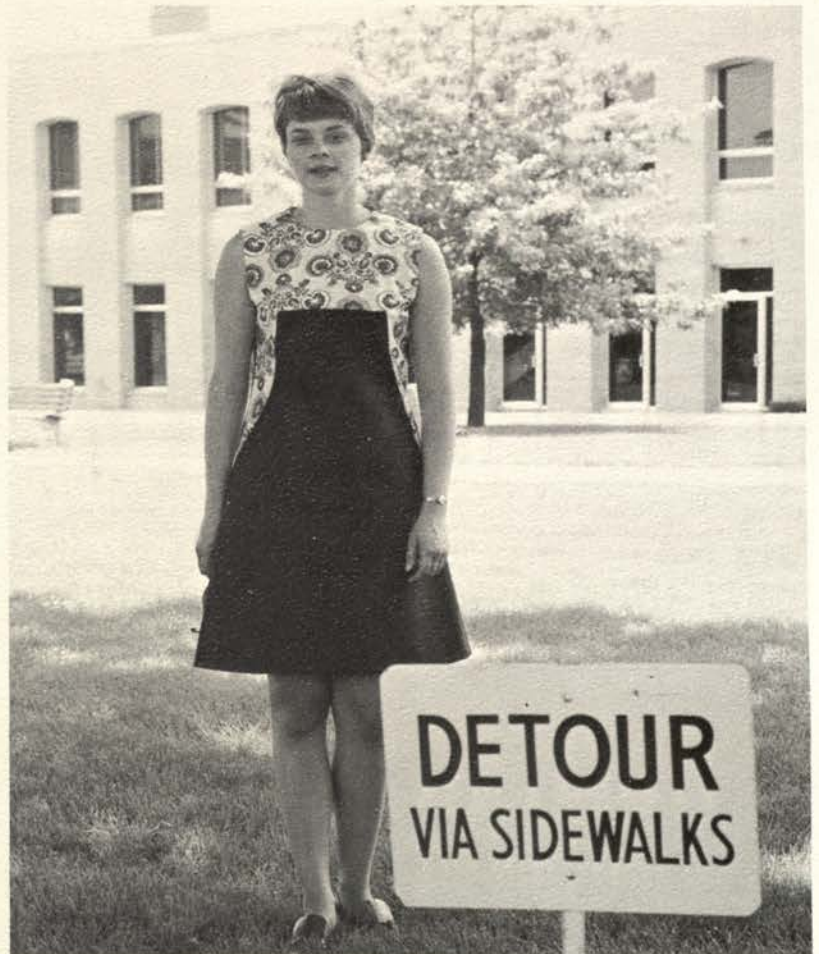






*Miss Mary Brunkhorst  
1969 J.K. Ball Duchess*



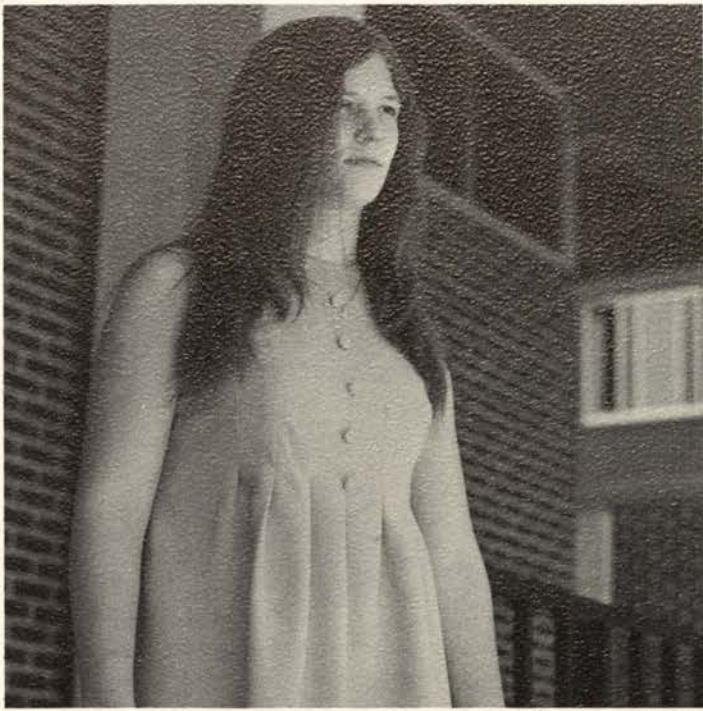






*Miss Winnette Mason  
1970 Military Ball Queen*









*Miss Mary Beth Ruggeri*  
*Queen of Love and Beauty*







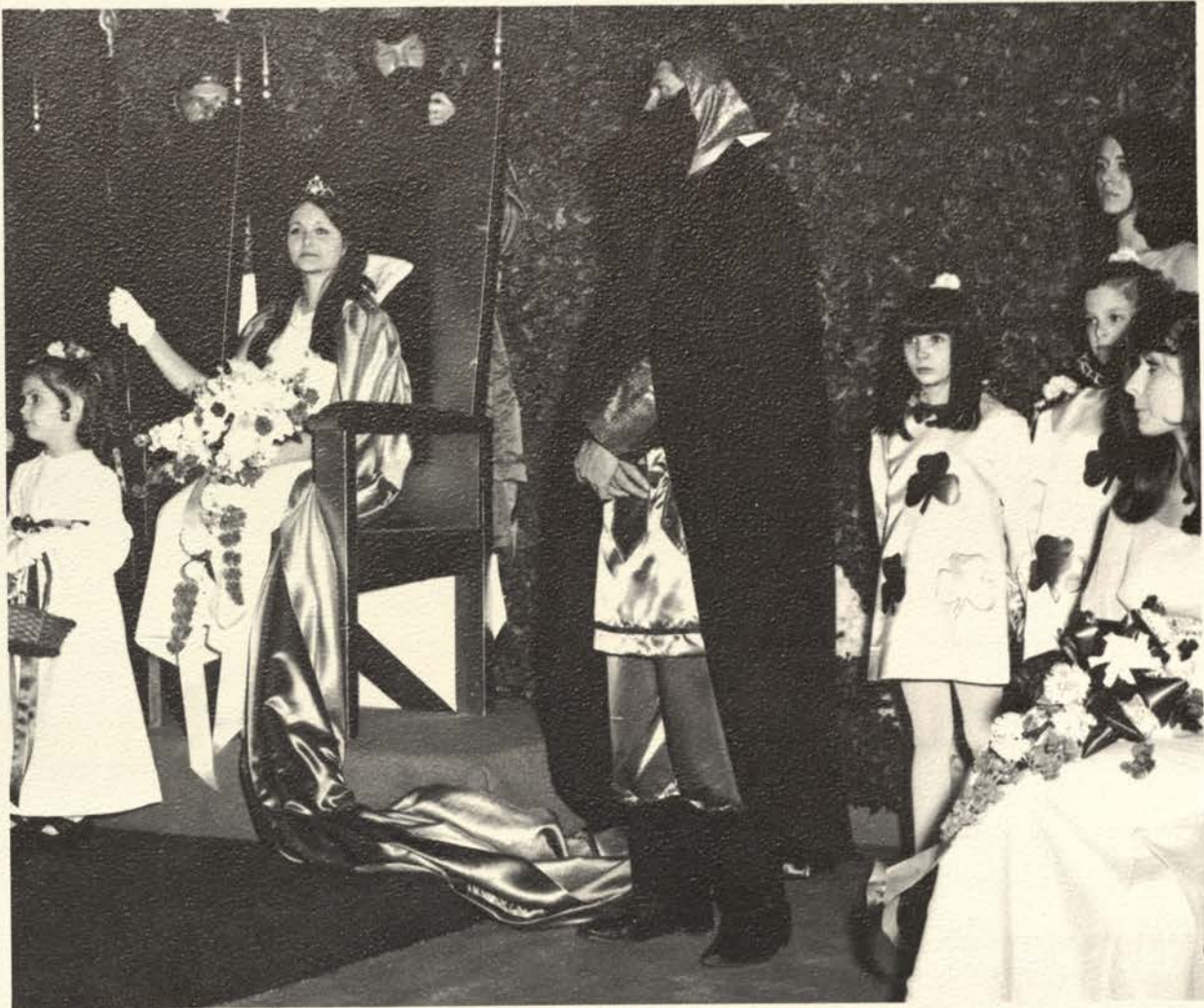
## *The 1970 St. Pat's Queen and her Court*



Selected for their beauty and poise during individual interviews with St. Pat's Board members were: Annette Watson, representing Kappa Alpha; Kathy Dunphy, representing Lambda Chi Alpha; Queen Mary

Beth Ruggeri, Pi Kappa Alpha's candidate; Debra Lief, representing Alpha Epsilon Pi; and Carolyn Breedlove, representing Sigma Nu.









*Miss Mary Cox*  
*1970 Greek Week Queen*







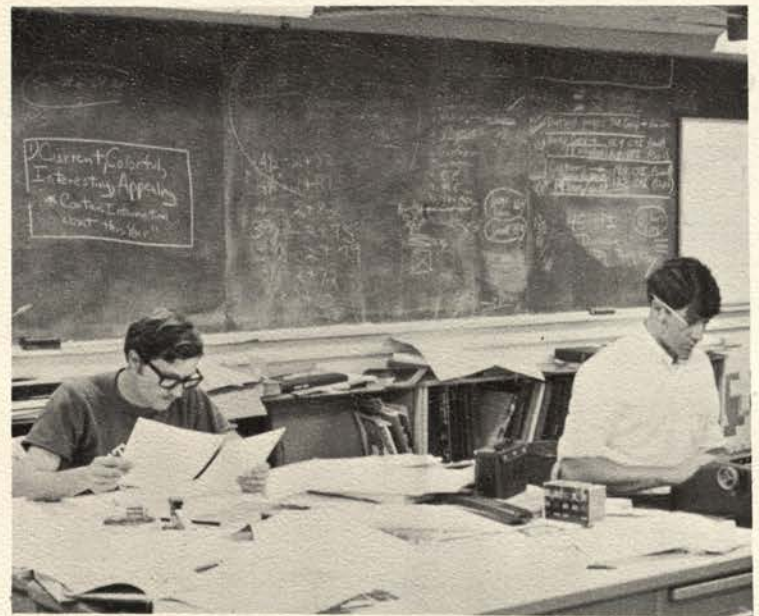
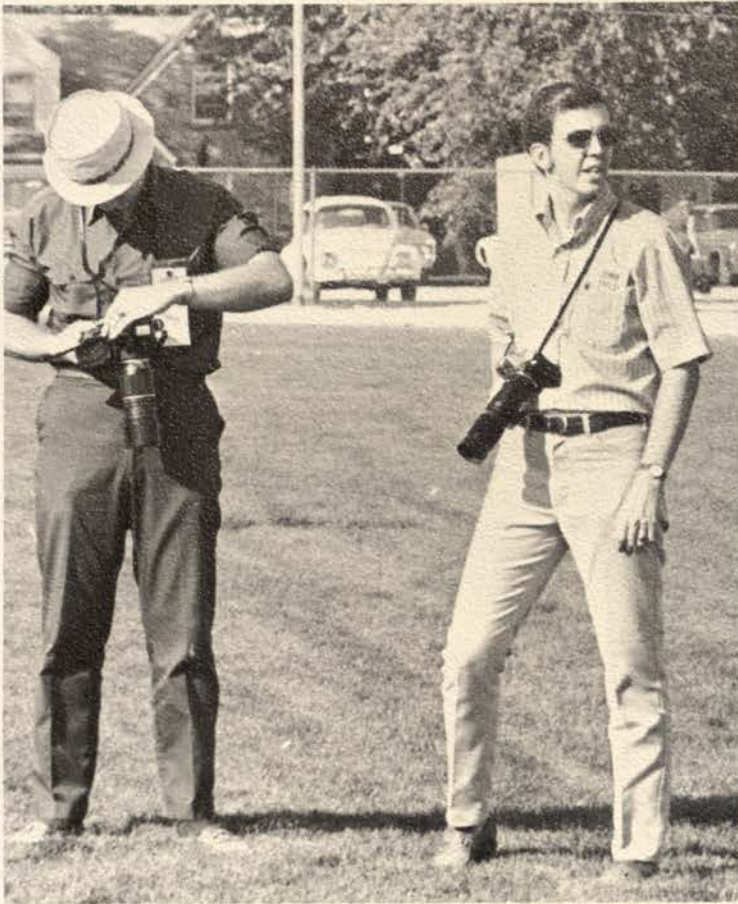




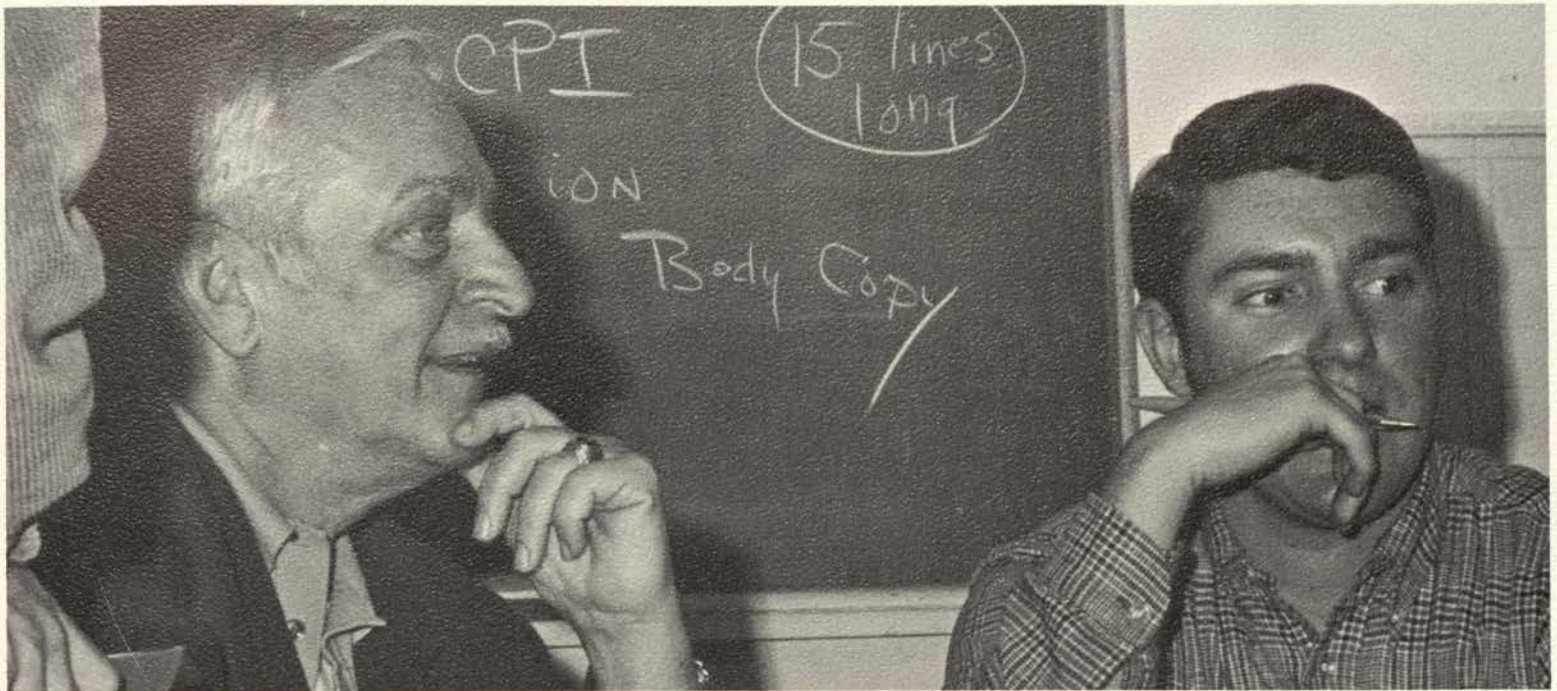
# Organizations





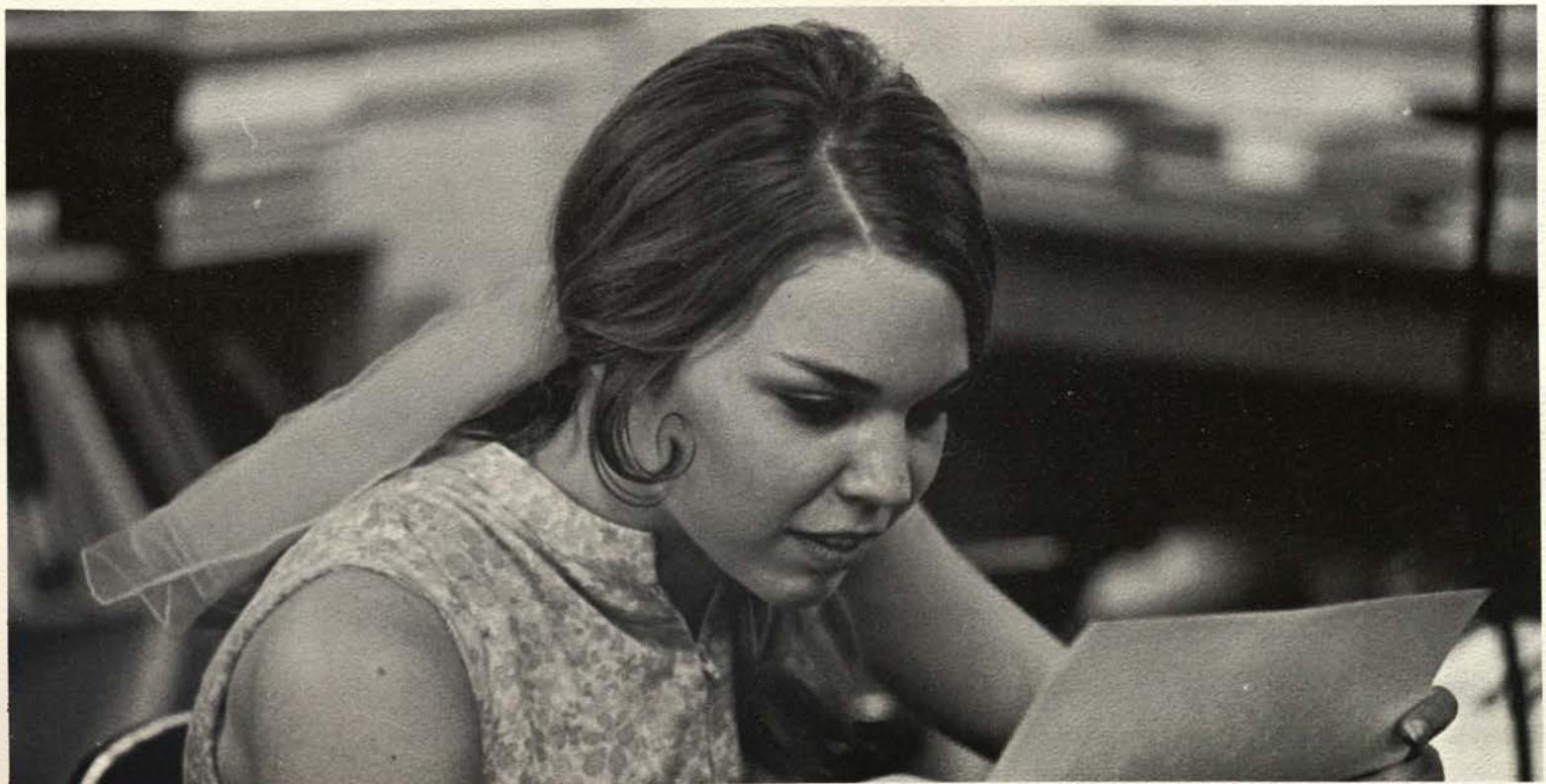






## Publications

Miner makes up \$3,000 debt from last year . . . .  
 Rollamo expands staff and adds one Associate Editor . . . .  
 KMSM doubles staff from last year by adding a complete news and sports department . . . . Miner staff turns out good paper under difficult conditions . . . .  
 1969 Rollamo given All-American rating . . . . KMSM adds 20 more hours of broadcasting time. . . . Miss Terri Collier named Rollamo Queen for 1970 . . . .  
 KMSM adds the Morning Show to its broadcasting schedule . . . . Miner Editor Tim Corbett does outstanding job making up \$3,000 deficit he inherited from last year . . . .  
 Rollamo hires Artist Fred Conway to paint "The First Hundred Years." . . . Charlie White is selected Station Manager of KMSM for second year . . . . Rollamo adds 16 pages.







ROLLAMO BOARD—FRONT ROW: Heck, G., Laderoute, C., Associate Editor; Wedge, K., Business Manager; Schellman, L., Editor; Haley, J., Miera, D., Biederman, S.. ROW 2: Utterback, T., Barczewski, D.,

Burns, P., Altrup, G., Parkes, R., Hoelscher, J., Wolff, A., Associate Editor; Flaminio, C.. ROW 3: Brennecke, B., Burke, P., Capelli, T., Barnett, T., Schumacher, J., Scanlon, B., Robertson, S.



Many of the pictures taken for the Rollamo had to be sorted, and the selection of just the right one required many hours of hard work and determination.



Photographer Mike Zirkle spent many nights in the darkroom developing film and printing proof sheets and pictures for the 1970 Rollamo.

## Rollamo Board

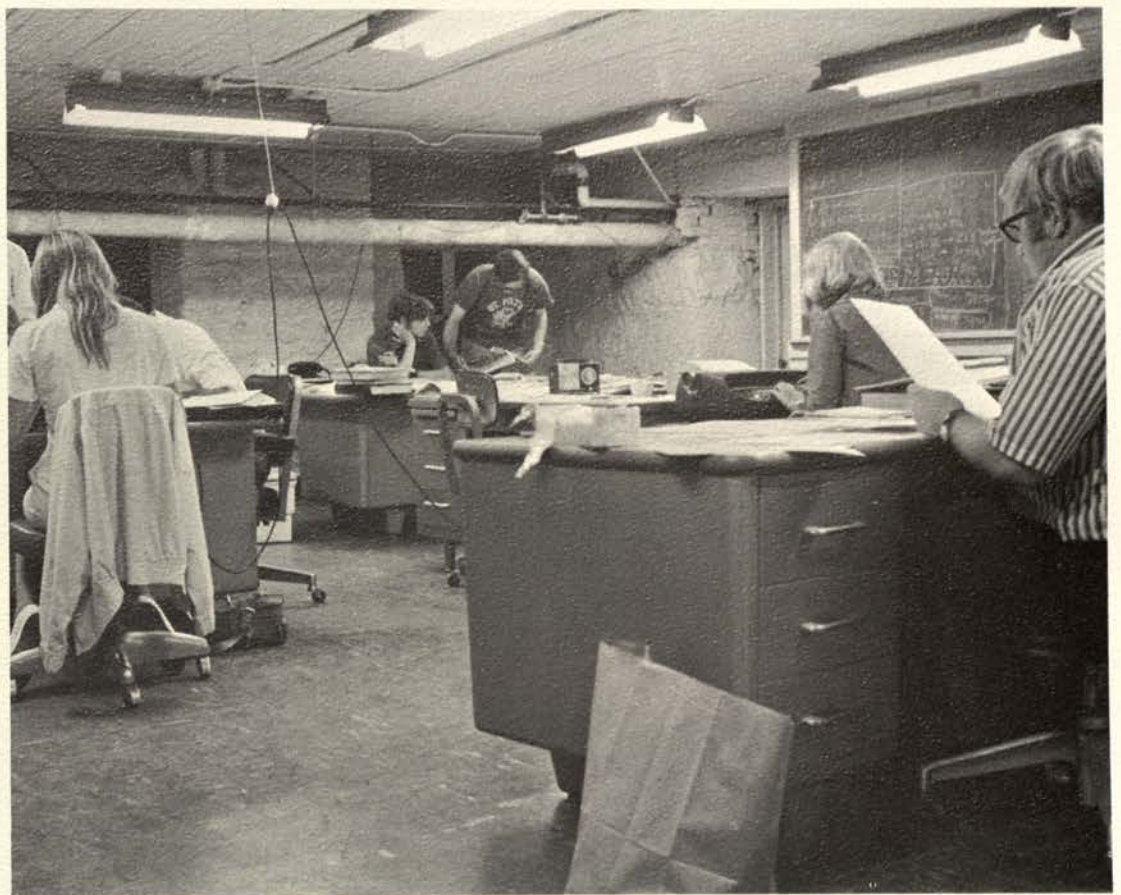
During the 1969-70 school year the Rollamo Board expanded its activities. Last spring the Board commissioned Fred Conway, a well-known artist from St. Louis, to do a "mini-mural" depicting the traditions and milestones of UMR's first 100 years. Prints of the painting were sold for \$2.00 each and proceeds of the sales were presented to the fund for the new University Center. The painting was presented to the students and will hang in the new Center. The painting also made an appropriate cover for the 1970 Rollamo.

Additions were made to the 1970 Rollamo by almost doubling the number of full-page color spreads and also by adding an additional signature to cover the past 100 years of UMR. Also, every effort was made to use student photography wherever possible in the coverage.

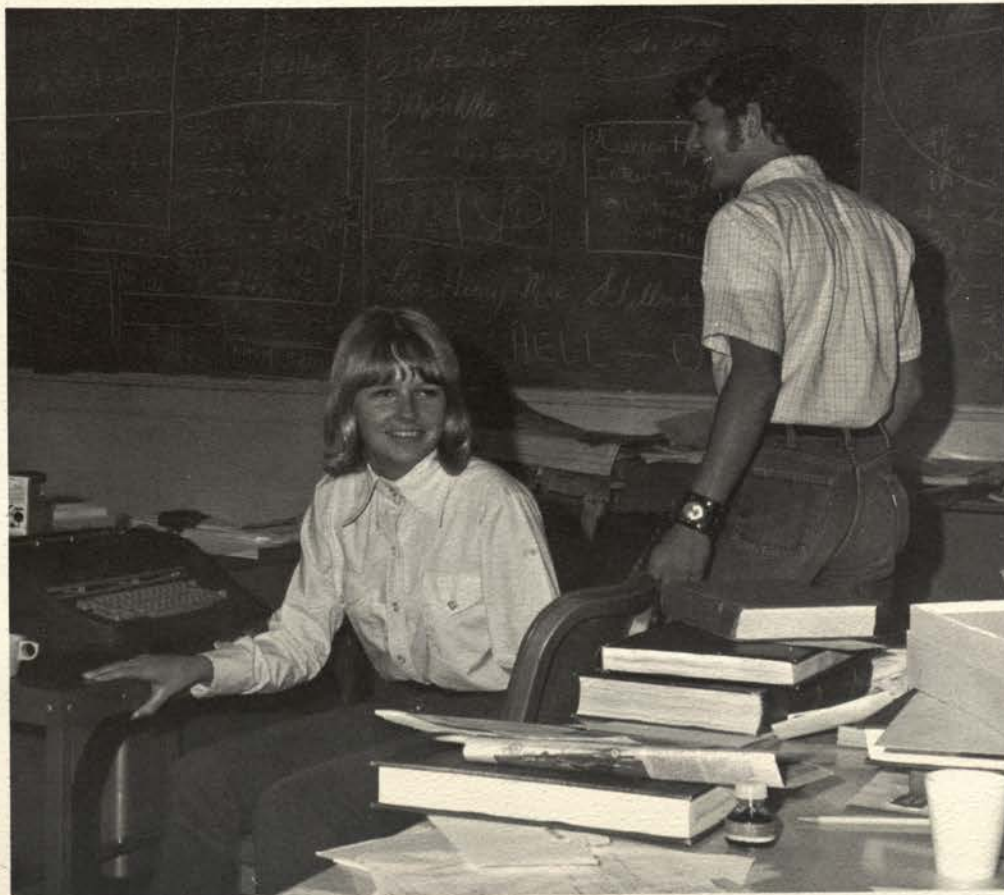




Getting a bird's eye view of UMR, Chuck Schlef, looks for a good shot.



"Hurry-up and wait" was the name of the game as the deadline got closer and time grew shorter for the layouts and copy to be at the publisher's.

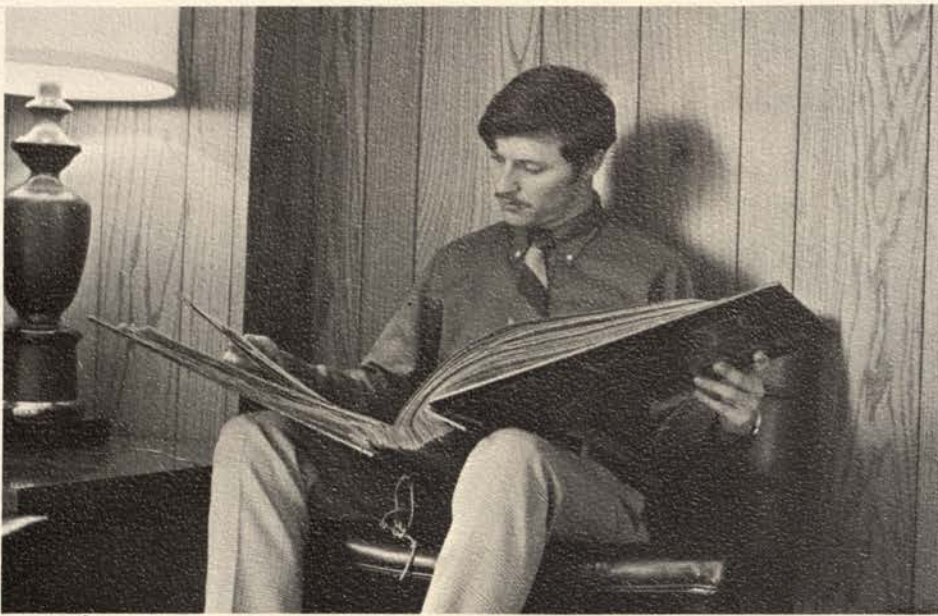


Typist Linda Wollard, and Associate Editor, Alan Wolff, "horse around" during that last hectic week of final preparations.



"There's always time for a quick bite to eat," says organizations editor, Gus Heck.





Max Schellman  
Editor-in-Chief



Dennis Miera  
Seniors Editor



Alan Wolff  
Assoc. Editor-Independents



Keith Wedge  
Business Manager

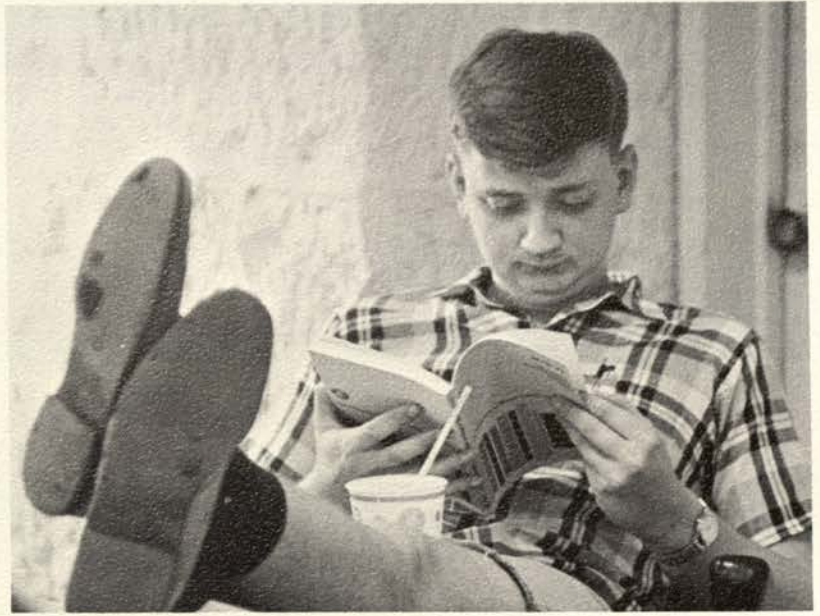


Gus Heck  
Organizations Editor

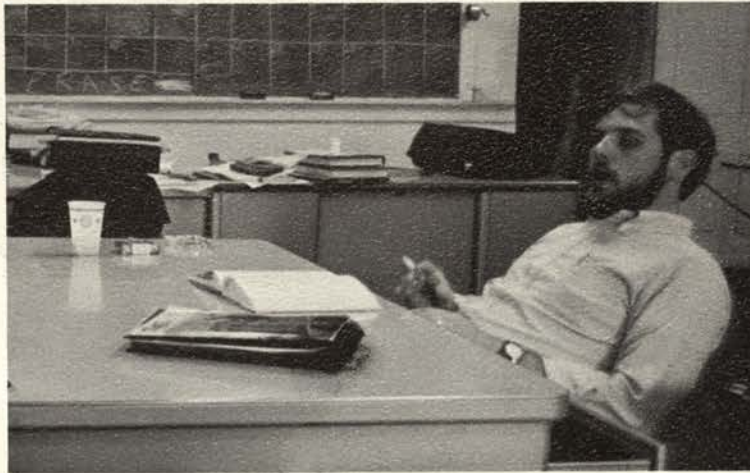




Charlie Laderoute  
Assoc. Editor-Fraternities



Roger Parkes  
Chief Photographer



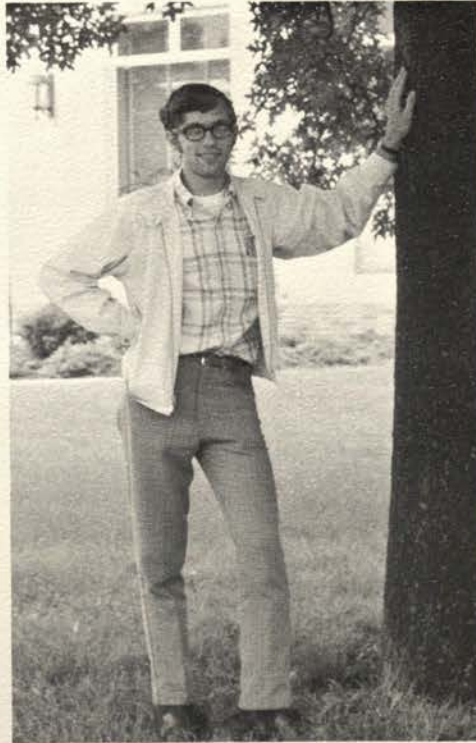
Jim Rechner  
Assoc. Editor-Centennial



Terri Collier  
Typist



Steve Biederman  
Sports Editor



John Hoelscher  
Photography Editor



Linda Wollard  
Typist





While recording shots as they are taken, Dave Kruger, Miner news editor explains to Gene Vrenick the type of photo he needs, as John Haley, Business Manager looks on.

## Miner Staff

The Miner Staff had an unusual handicap to work under this year; they had inherited a \$3,000 debt from the last year's Miner Staff. Under these extremely difficult conditions, Tim Corbett, Editor-in-Chief, did an outstanding job, making enough money to write off this debt. Many of the students were dissatisfied with the over abundance of advertising and lack of news, but this over abundance of advertising gave the Miner enough money to make up last year's debt. The Miner Staff should be congratulated for the fine job which they did under the most adverse conditions. This was also the last year for Professor Karl Moulder to act as the Advisor for the Miner. Next year's staff will miss his knowledge and advice immensely.

Looking for improvements in the advertising layout, John Haley and Dennis Miera discuss possible changes in the Miner's presentation.



Preparing copy for next weeks' Miner, make-up editor Dave Lock hurries to meet the deadline on Sunday night so that he can hit the books.

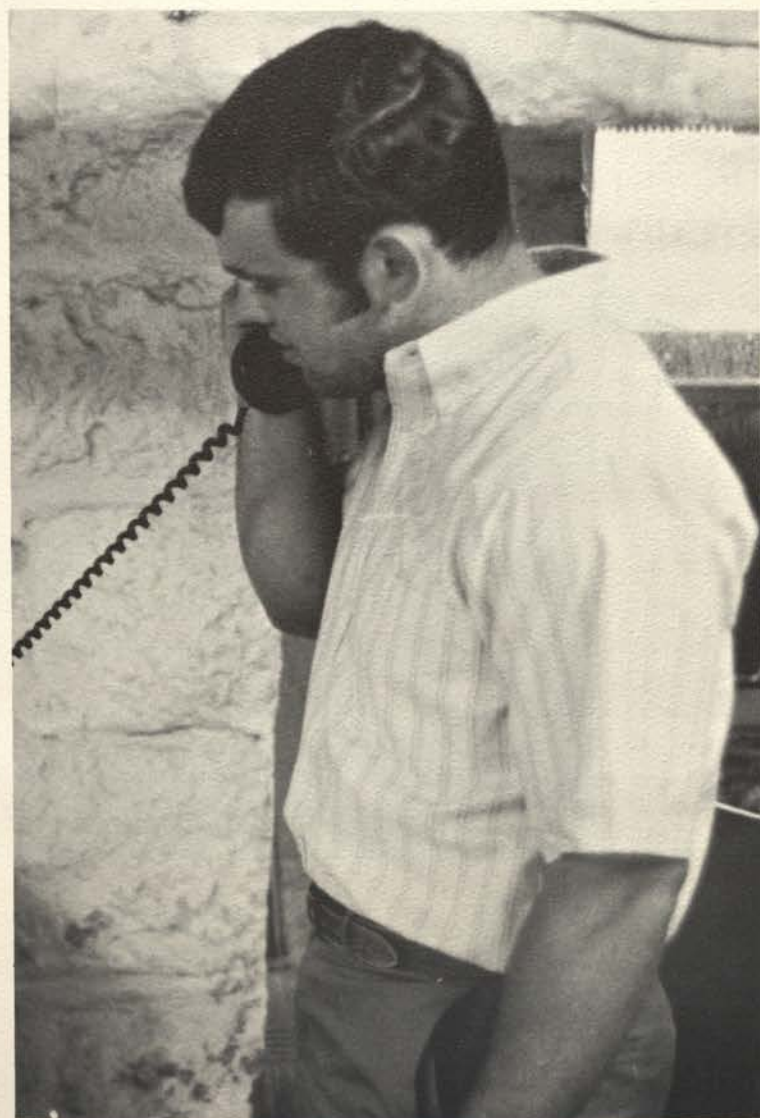




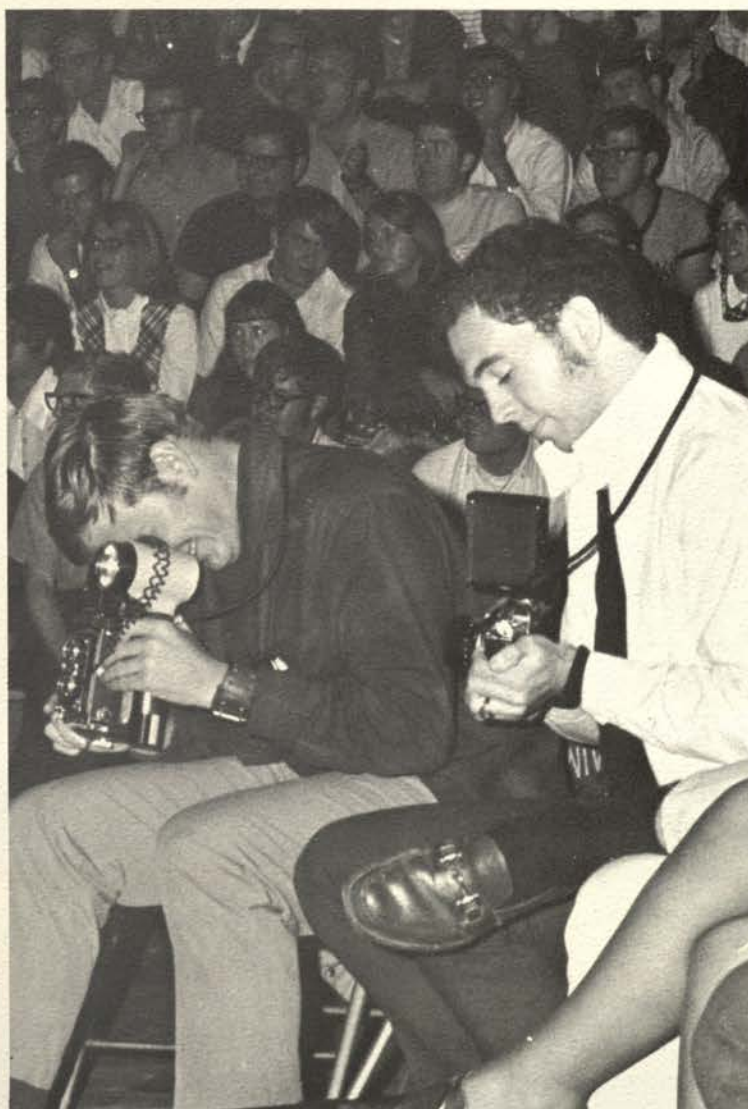


MISSOURI MINER STAFF—FRONT ROW: Schweigert, K., Editorial Assistant, Miera, D., Atteberry, M., Advertising Director, Corbett, T., Editor, Haley, J., Business Manager, Poncioli, J., Local Ad. Director, Krueger, D., News Editor. ROW 2: Carmichael, D., Proof-

reader, Wulff, S., Altrup, G., Forsee, G., Circulation Manager, Remley, R., Sports Writer, Page, J., Sports Writer, Lock, D., Make-up Editor, Hoech, R.



Editorial Assistant Ken Schweigert made many phone calls in order to run down possible news stories and to assign jobs to staff members for the next paper.



Covering the Friends of Distinction general lecture, Gary Altrup and Gene Vrenick place themselves in a strategic location to insure good pictures.

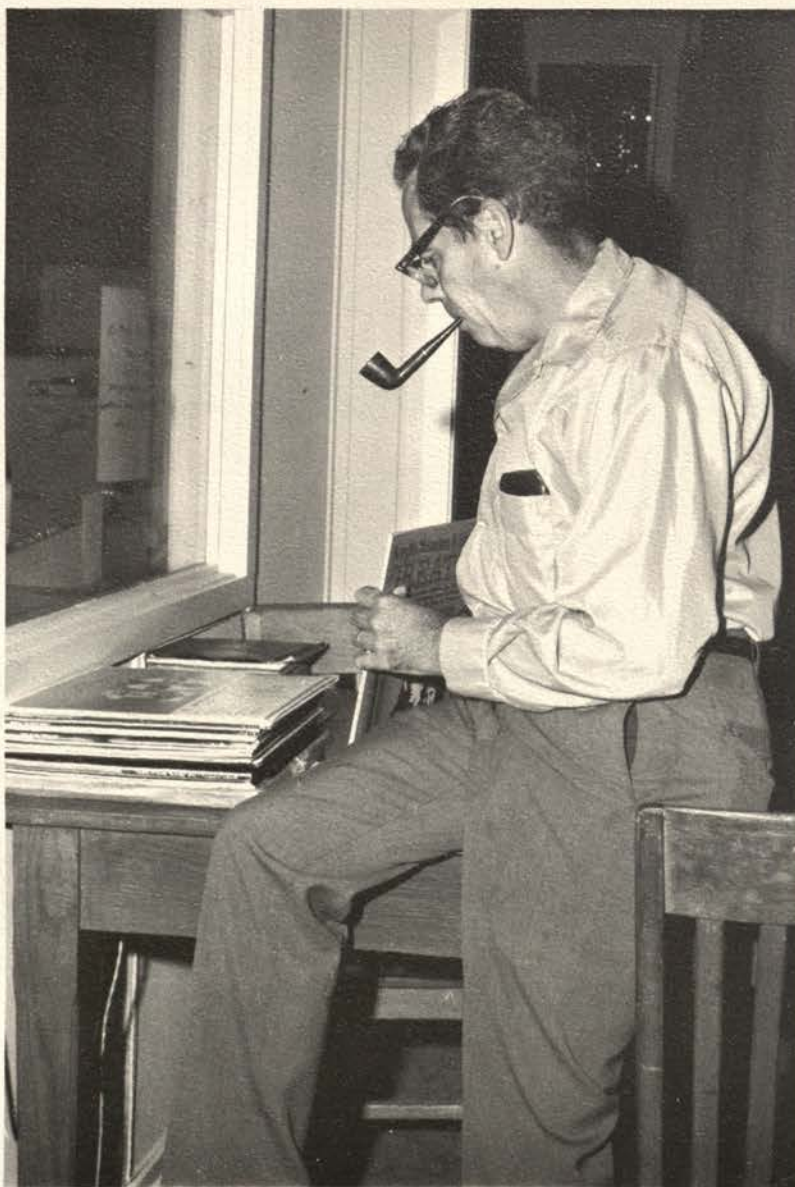




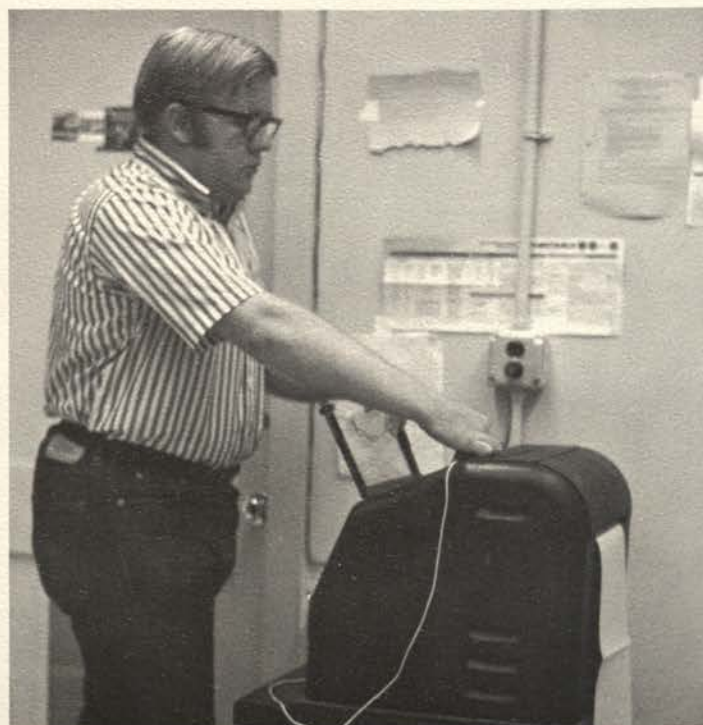
When the moratorium was held at UMR, KMSM was on hand to cover the event. Here, Andy Butler picks up the voice of a speaker in the M.E. Auditorium.

## KMSM

Owned and operated by the students of the University of Missouri-Rolla, KMSM has broadcast nearly 100 hours of entertaining and educational programming each week. Expanded news staff and facilities, including UPI wire service, this year enabled KMSM to provide a comprehensive news coverage of campus, regional, national and world happenings as never possible before. Sports broadcasting also reached a new high as live sport action was broadcast for all Miner varsity games. The word at KMSM is "new"—and due largely to the referendum of early 1968 when students expressed a willingness to back their station, KMSM has a newness in every aspect of its operation and broadcasts.



KMSM advisor Wells Leitner looks through some new record albums just received by the station and to be played on the Monday night show.



Waiting for "hot" news items to appear on the UPI teletype, sports reporter Gus Heck is in the process of preparing for a sports show.





KMSM—FRONT ROW: Fehlig, M., Cambier, J., Sample, S., Thomas, J., Schoenefeld, C., White, C., Station Manager; Vandergriff, L., Tietze, B., Mushill, E., ROW 2: Kielar, G., Huck, T., Bryan, D., McCleary, R., Sebaugh, A., Tyler, D., Erlandson, P., Wilson, D., Vaughn,

C., ROW 3: Heck, G., Doult, T., Lamano, L., Butler, J., Shady, S., Eppestine, D., Schnaare, S., Vaughan, S., Burnett, D., ROW 4: Conrad, C., Campbell, J., Lawler, J., Young, M., Tyner, C., Simon, D.



Broadcasting live from the roundup, Mark Fehlig interviews a member of representatives from various participating organizations.



The control panel from which KMSM broadcasts 100 hours of entertainment each week is a menagerie of dials and buttons.



Larry Jensen and Bob Schuab broadcast all of the Miners' varsity basketball games live from court-side. Both home and away games were covered.





**PRESIDENT**  
 Jack Klone  
 101 W. Main St.  
 Rolla, Mo. 65401  
 364-1374

**VICE PRESIDENT**  
 Paul Fyfe  
 Rt. 2 Box 224  
 Hannibal, Mo. 67030  
 466-4262

# THE STUDENT COUNCIL



STUDENT UNION  
 UNIVERSITY OF MISSOURI - ROLLA  
 ROLLA, MISSOURI  
 364-1783

**SECRETARY**  
 Mary Baker  
 Rt. 2 Box 2  
 Rolla, Mo. 65401  
 364-1981

**TREASURER**  
 Jerry Bauman  
 Rt. 1 Box 408  
 Rolla, Mo. 65401  
 364-3321

**EXECUTIVE COMMITTEEMAN**  
 Lloyd Lindemann  
 214 E. 11th St.  
 Rolla, Mo. 65401  
 364-1924

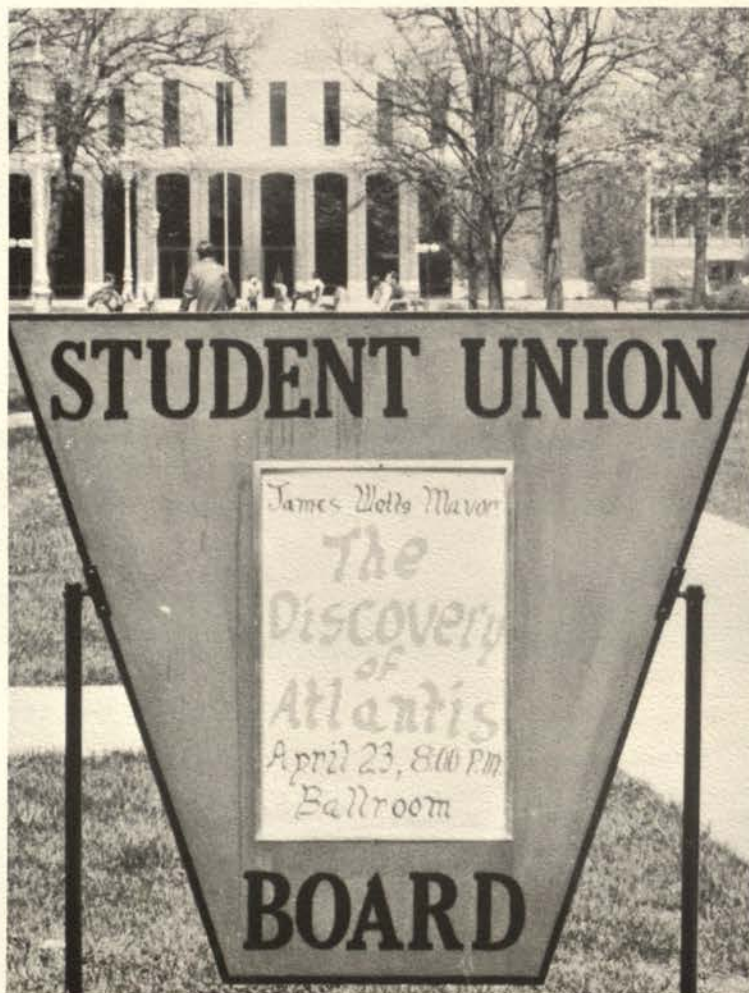
Jan. 15, 1970

Dear Gus,

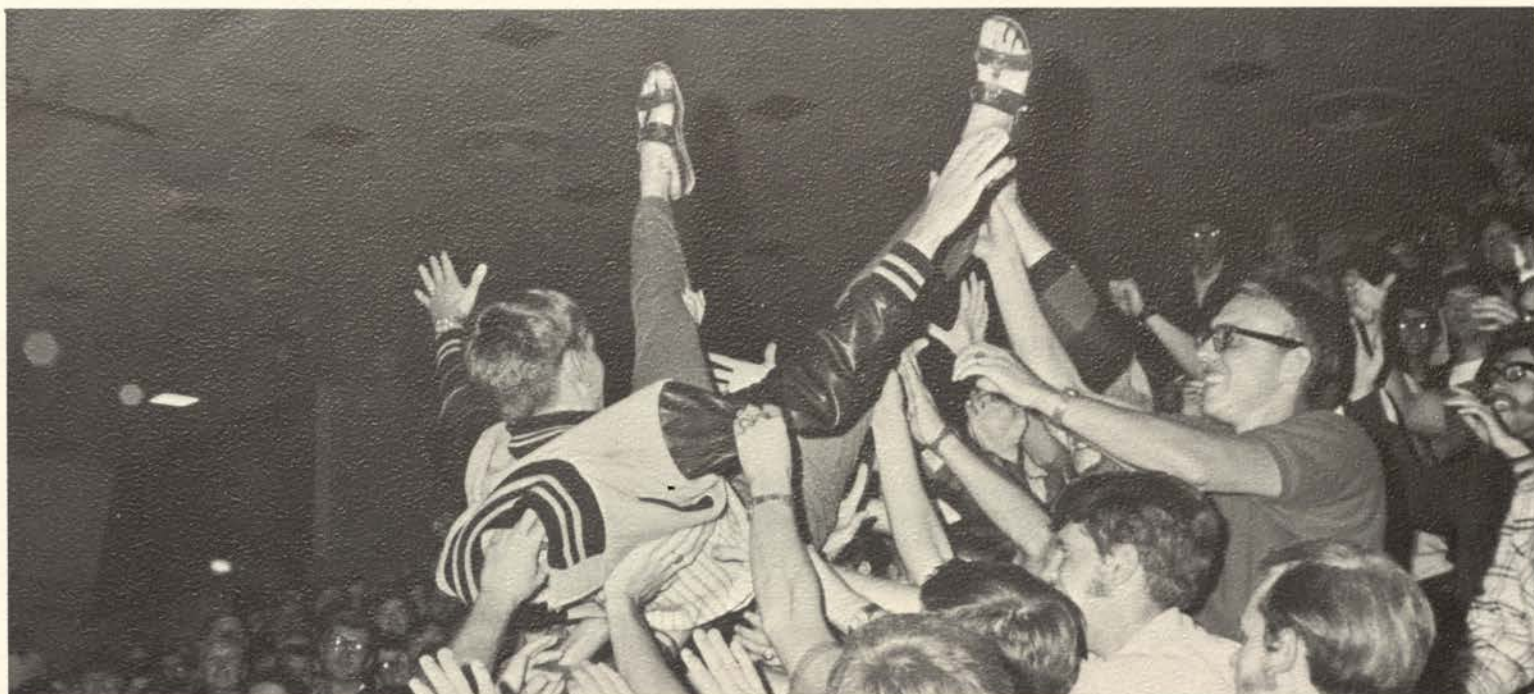
Enclosed is the article for the Student Council for the 1970 Rollamo. I hope that you will find it entirely acceptable. Although it is slightly longer than the length you requested, I feel that it is pared down to only the most essential facts. If you feel that it must be shortened, please contact me before doing so.

Thank you for your cooperation. May the 1970 Rollamo be even more successful than the All-American 1969 Rollamo.

Sincerely,  
 Jack Klone  
 President - UMK Student Council







## Student Government

Student Council presents general lecture with "Brooklyn Bridge." . . . Student Union Board gives fashion show . . . Miss Mary Beth Ruggeri from Pi Kappa Alpha is elected St. Pat's Queen of Love and Beauty . . . St. Pat's Board and Student Council General Lecture committee combine resources to give joint general lecture for St. Pat's featuring "Sam and Dave." . . . Randy Richards is President of Student Union Board for second consecutive year . . . Eric Dunning from Tau Kappa Epsilon elected St. Pat . . . Student Council revises Constitution which completely revises the representation of Independents, Fraternities, Eating Clubs, MRHA and other groups . . . Miss Lynn Brewer first representative of the Women's Residence Hall Association ever to be seated on the UMR Student Council.







STUDENT COUNCIL—FRONT ROW: Riley, J., Schmidt, P., Branham, J., Treasurer; Kopf, K., Vice-President; Leone, J., President; Bowin, M., Secretary; LaJeunesse, C., Clemons, R., Schmidt, T., ROW 2: Holdener, D., Talbert, K., Paul, D., McClain, G., Niemeyer, T., Heseman, C., Waggoner, J., Schweigert, K., Gucciardo, T., ROW 3:

Capelli, T., Rood, M., Gatewood, F., Puettmann, D., Shepherd, C., Ursch, R., Mason, J., Doyle, B., Pierce, J., ROW 4: Lammers, D., Hahn, J., Buechler, T., Cameron, R., Korklan, H., Lakebrink, S., Cheek, M.

## Student Council

Throughout the year the Student Council made an effort to carry out projects that would benefit every student. In the area of academic affairs the Council conducted a Referendum on final Exam policies and presented the results to the Faculty for formulation into new policies. Also the Council started work on a system where students evaluate the performance of their teachers.

During the year the Student Council General Lectures Committee presented a very successful series of pop concerts, plays, Mini-Concerts, Guest Speakers, and classical Artists. For the first time, the Council and the St. Pat's Board joined forces to present a General Lecture on the Saturday of St. Pat's.

With the aid of a student steering committee the Student Council helped plan and direct many Centennial activities. For example, a referendum was held on a proposed fee increase for construction of a new University Center. Students in an overwhelming majority of 2 out of 3 supported the proposal. Also a special Centennial Free University Program for January, 1971, was planned and the support of the students and faculty solicited.

Student Council members, under the leadership of Jack Leone, showed they were interested in student government for the student. Their last referendum of the year was on the subject of reapportionment of the Student Council and approval of election procedures. It was a fitting way of closing a very successful year.



The Brooklyn Bridge helped to make the long cold weekends, during the fall semester, a little more enjoyable for the UMR Miners.

The Friends of Distinction presented "sweet soul music" to the UMR students during their November concert held at the field house.







ST. PAT'S BOARD—FRONT ROW: Camenzino, S., Pokross, C., Rommelmann, D., Mastalio, K., Treasurer; Dunning, E., President; Kotys, G., Vice-President; Janssen, J., Secretary; Atteberry, M., Laderoute, C., ROW 2: LaCopo, M., Politte, J., Friedman, K., Gioia, C.

Hilterbrand, K., Sorter, R., Heisler, D., Dobrowolski, J., Murray, R., Freund, R., ROW 3: Meyer, J., Kite, G., Carver, R., Lock, D., Witte, J., Schnyder, G., Brown, W., Wortham, R., Krueger, D., Erickson, L., ROW 4: Smith, R., Higgins, J., Motsegood, G., Stout, L., Berry, R.

## St. Pat's Board

Under the leadership of Eric Dunning, this past year has been one of great transition for the St. Pat's Board. To improve relations with the city a Town Co-ordination committee was formed, and the first store display contest and town beard contest were held. The position of Sales Manager was formed to form a better control mechanism for the various money-making committees and proved to be worthwhile as the board made more money than ever before. Another new addition was that of the position of Honorary St. Pat's Board member. Aside from the foul weather which prevailed during the weekend, St. Pat's 70 was proclaimed by all to be the most spectacular ever.

STUDENT UNION BOARD—FRONT ROW: Dobson, L., Selden, T., Secretary; Richards, R., President; Calfee, K., Garnett, D., Treas-

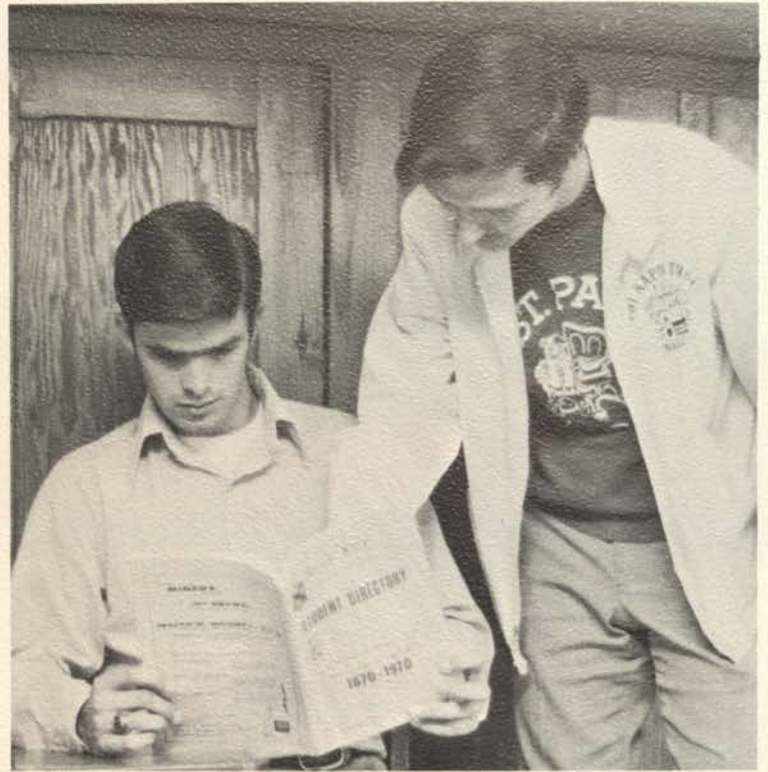
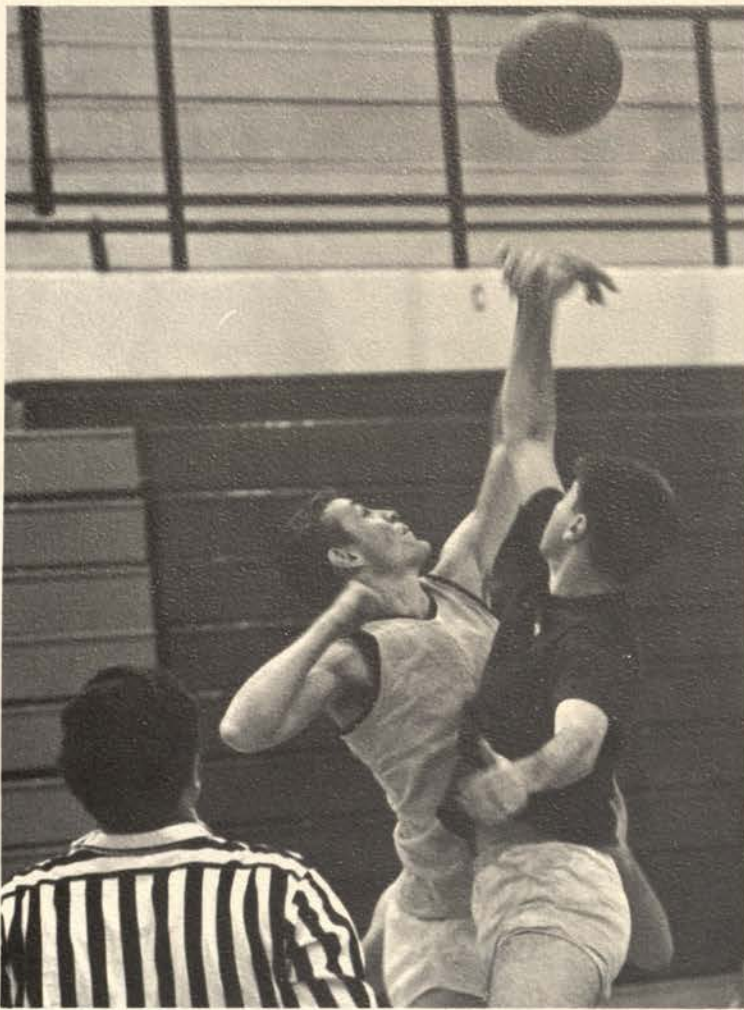
## Student Union Board

The Student Union Board is composed of nine board members who handle the administration and planning of the affairs of the Student Union. Also on the Board are 150 committee members, all serving the student body by sponsoring events which are held to fulfill the individual student's recreational, social, and cultural needs. The Student Union's program consisted of the Annual All-School Mixer, Homecoming Activities, and a Christmas Dance. It also had various games and tournaments, several art exhibits, a lecture series featuring noted speakers, a regular series of outstanding movies, and a series of open forums concerning problems pertinent to both students and administration called "Coffee Chats."

urer; ROW 2: LaJeunesse, C., Gayer, J., Headington, T., Beilstein, J., Vice-President.











## Service and Honoraries

Lambda Sigma Sorority emerges from Little Sisters of Sigma Pi and hopes one day to become a social sorority. . . . Circle K holds book drive for men in Viet Nam. . . . Blue Key holds leadership forum for freshmen and sophomores. . . . Tau Beta Sigma honorary womens band sorority is founded. . . . Kappa Kappa Psi, honorary bandsmen fraternity selected first in over-all chapter proficiency in midwest district . . . . Theta Tau raises over \$8300 for ugly man charities. . . . Scabbard and Blade presents annual Military Ball. . . . Gamma Alpha Delta does work in ghettos of St. Louis. . . . Kappa Kappa Psi's advisor Mr. Joel Kramme is selected advisor of the year.







BLUE KEY—FRONT ROW: Kirmeyer, G., Co-Editor; Warner, J., Secretary; Wedge, K., President; Ward, T., Vice-President; Schaeffer,

M., Treasurer; Selden, T., ROW 2: Branham, J., McKelvey, J., Leone, J., Bowin, M., Hellwege, J.

## Blue Key

This year the members of Blue Key acted not only as a national honor fraternity, but they also did much along the lines of campus and community service. At the beginning of the year, the organization published the Student Directory, a complete listing of all students on campus including their school and home address and phone number. To help inform students and faculty of the events occurring as a part of the university's centennial celebration, Blue Key sponsored a Centennial Breakfast and invited various administrators to speak to those in attendance. In addition, the men of Blue Key, having proven their leadership ability before being initiated, sponsored a leadership seminar for underclassmen. Taught by the members themselves, this program did much to further leadership potential on campus.

THETA TAU—FRONT ROW: Krueger, D., Branham, J., Crawford, R., McKelvey, J., President; Wedge, K., Kenyon, R., Hellwege, J., Corresponding Secretary; ROW 2: Riley, J., Hilterbrand, K., Byars,

## Theta Tau

Theta Tau, a national professional engineering fraternity, takes pride in the active support given by its brothers in working on the various campus and community projects. One of these projects was publishing the Theta Tau Calendar which lists the dates of varsity athletic events, other campus organization meetings, Student Union functions, and party weekends. Mums were again sold at Homecoming for the dates and wives of students. The annual Theta Tau "Freshman of the Year" award, presented each Fall, was won by John Pepper. Working with the Rolla community, Theta Tau presented the money collected from the "Ugly Man" contest to the South Central Missouri Shrine Club to be used for work with local handicapped children. Active support from the brothers was also noted at all social events sponsored by Theta Tau.

R., Hoel, B., Pepper, J., Biederman, S., Gayer, J., Praznik, G., Kremer, J., Selden, T., ROW 3: Haley, J., Miera, D., Melzer, G., Brunkhorst, S., Montgomery, J., Heisler, D., Bowin, M., Kotys, G., Stucker, J.







ALPHA PHI OMEGA—FRONT ROW: Holt, M., Goldstein, M., Haley, J., Secretary; Cranmer, R., 1st Vice-President; Laderoute, C., President; Miera, D., Treasurer; Stucker, J., Kremer, J., Donze, T., ROW 2: McElyea, T., Praznik, G., Pepper, J., Hoel, B., Sindel, M., Denlow, I., Schmidt, T., Friedman, K., Gordon, W., ROW 3: Kenyon, R., Neutzling, G., Slebocka, D., Schuessler, W., Dustman, T., Beshore, D., Touzinsky,

B., Williams, J., Schreiner, M., Parks, C., ROW 4: Herr, M., Markham, R., Feldman, C., Williams, J., Forsee, G., Kassing, M., Burke, P., Swearingen, P., Hill, T., Barrett, A., ROW 5: Davis, S., Gatewood, F., Gold, R., Foster, E., Huster, R., Taylor, R., Shady, S., Engelhardt, W., Goldstein, L.

## Alpha Phi Omega

Beta Omicron chapter of Alpha Phi Omega, the national service fraternity, had a successful showing for the 1969-70 school year, its thirtieth anniversary at UMR. It served the student body well through semesterly book distribution. APO blotters could be found on nearly every student's desk on campus. And blood drives which were sponsored by this organization were very successful, going over the quota needed by the Red Cross. The local Shriners presented the chapter with a plaque for their service to the school and community. The APO National office presented the chapter with a citation naming Beta Omicron chapter as the top chapter in the nation in schools of comparable size.

INTERCOLLEGIATE KNIGHTS—FRONT ROW: Ford, L., Wendt, A., Pagemaster; Barrett, A., Treasurer; Schmidt, T., President—Fall; Bondi, J., President—Spring; Dicus, J., Secretary; Korklan, H., Sergeant At Arms; Kremer, J., Recorder; Neely, Don, Vice President; ROW 2: Farrell, J., Underwood, M., Bene, D., McElyea, T., Keller, D., Parker, R., Williams, D., Gayer, J., Boschert, T., Routburg, M.,

The Intercollegiate Knights, a national service organization, this year ran the concessions at all the home football games. With the profits made from these concessions, they were able to sponsor, for the third year in a row, a Coronation Ball at which a chapter Duchess was chosen. The title of Duchess of the Intercollegiate Knights was bestowed upon Miss Mary Brunkhorst one of the coeds at UMR. Miss Lynda Marston was first runner up and Miss Sara Carney was second runner up. Showing a spirit of willingness to serve the campus, the I.K.'s ushered at the Parent's Day Banquet, sponsored this year's Speech Festival, and served as tour guides for Engineer's Day and Sing Out Missouri. The I.K.'s also sold UMR Centennial license plates.

ROW 3: Carmichael, D., Seeland, M., Allen, K., Kelley, J., Pitt, D., Bafford, D., Beshore, D., Holdener, D., Paul, D., Feldman, C., ROW 4: Kess, R., Taylor, A., Henson, J., Cook, M., Behr, M., Higdon, W., Bushnell, J., Gold, R., Janoch, G., ROW 5: Hentz, T., Portnoff, L., Kelly, M., Zeidlik, R., Schnyder, H., Loerr, A., Schultz, C.







LAMBDA SIGMA—ROW 1: Stettler, L., Treasurer; Brinker, E. Secretary; Myers, J., Vice-President; Mason, W., Brunkhorst, M., Vice-President; Traynor, L., Sander, S., ROW 2: Lile, B., Eddleman,

L., Brewer, L., Wilson, M., Durand, G., Weaver, A., Wollard, L., Marston, L., DeMange, K., ROW 3: Jaggi, S., Evers, M., Beecher, S., Nothdurft, J., Stabo, B.

## Lambda Sigma

At present Lambda Sigma, formerly the Little Sisters of Sigma Pi, is the only sorority on campus. Plans for a sorority were started in the spring of 1969 with the sorority becoming an official campus organization in the spring of 1970. The Chapter has presented skits and jokes at the annual IFC Sing, operated a concession stand at the Greek Week Carnival, and run in the chariot race, all for the first time. In addition the girls helped with the student employment survey conducted by the Inter-Service Council. Plans for becoming a national sorority and getting a sorority house are now in progress, with colonization a possibility for next year.

## Interservice

The Interservice Council did much to serve its purpose of coordinating the efforts of the five service organizations on campus. Consisting of a chairman and the presidents of Alpha Phi Omega, Intercollegiate Knights, Circle K, M-Club, and Blue Key, the Council drew men from all these organizations for their projects and worked as one large organized body. The Council provided a list of volunteers to act as student guides and helped set up for lectures on campus. The main project this year was to help locate jobs for student wives. The Council, with much help from Lambda Sigma Sorority, canvassed Rolla in an effort to find employment for student wives.

INTERSERVICE COUNCIL: Laderoute, C., Kirmeyer, G., Bond, J., Stout, L.







**CIRCLE K**—FRONT ROW: Lang, R., Larson, D., Hilterbrand, K., Laderoute, C., Board of Directors; Hoel, B., Graham, T., Treasurer; Headington, T., Secretary; Pepper, J., Means, J. ROW 2: Mitchell, T., Campo, C., Anderson, K., Haley, J., Blahut, J., Pelger, T., Hill, T.,

Gayer, J., Bertschmann, D., Payken, C., Schmidt, T., ROW 3: Bommarito, T. Puettmann, D., Evers, B., Herbst, R., Rodems, R., Wiley, G., Cook, M., Barrett, A., Midden, L., Holt, M., Ganey, D.

## Circle K

The members of Circle K were very busy this past year with a multitude of projects and activities designed to express a sense of service towards both the University of Missouri-Rolla campus and the Rolla community. These were strongly supported by all the members of the organization and were well appreciated by both the university administration and the local townsfolk. To gain these ends the Circle K's aided the Rolla Kiwanis in putting on a Slave Day and a Pancake Day, and also helped Rolla police in a car safety check. It was also the honor of this organization to present the Kiwanis of the Year Award to a Rolla Kiwanian. On campus, led by Tim Vicente, their fall semester president, Circle K added color to the UMR setting by painting the campus refuse containers.

**GAMMA ALPHA DELTA**—FRONT ROW: Lamar, F., Advisor; Schob, T., Vice-President; Ingram, M., President; Forsee, G., Treasurer; Georges, M., Publicity Chairman; ROW 2: Brunner, L., Smith,

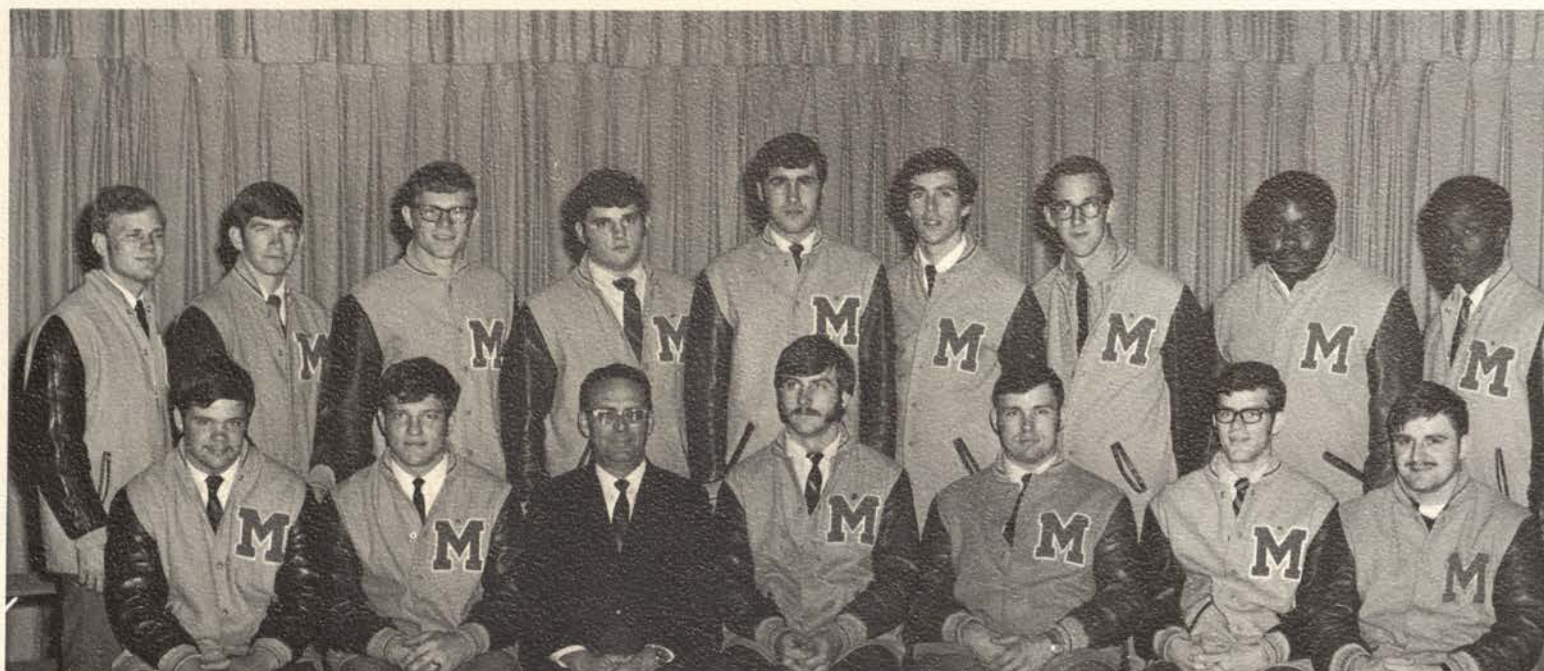
## Gamma Alpha Delta

Gamma Alpha Delta is a service organization composed of representatives from most of the Greek fraternities on campus. Under the leadership of president Mike Ingram and Fred Lamar, much work was done in the St. Louis and Rolla areas this year. The major project undertaken was the construction of playgrounds for ghetto children. All told, about 400 workers were sent into St. Louis to work on this project. As a result of this and other projects completed, GAD has received much favorable publicity. This extremely worthwhile organization has also gained national recognition, and, because of the tremendous success with which GAD has met, plans are being made to expand to other campuses in other states in hopes of making it into a national organization.

C., Scott, K., Program Director; Brannan, R., Mack, A., Wegrzyn, J., Schreiner, M., Program Chairman.







M CLUB—FRONT ROW: Williams, B., McVeigh, S., Remington, C., Faculty Advisor; Stout, L., President; Hanstein, E., Vice-President;

Fletcher, S., Verdi, A., ROW 2: Hahn, D., Browne, K., Mueller, R., Passantino, J., Frake, T., Kozacik, M., Winfield, F., Casey, T.

## M-Club

The M-Club, made up of athletes who have received a letter in one or more of the University's major sports, has striven in the last year to take part in activities which would further its goal—to help promote better sportsmanship at UMR. Homecoming saw the M-Club members selling Homecoming buttons designed to instill a feeling of pride in every Miner who wore one. Since sports is the hallmark of the organization, the M-Club has created and is the judge of the Gale Bullman Award, given to the outstanding athlete of the year. The newest services of the M-Club include providing assistance at the basketball concessions and organizing a program to better inform the in-coming freshman of the availability of the varsity athletic program.

## Chi Epsilon

Chi Epsilon, the national Civil Engineering honor fraternity on the UMR campus, represents a goal for young upcoming civil engineering students. Applicants are chosen from the upper one-third of the junior and senior classes. In December of 1969 forty new men were initiated after a pledge period designed to determine if they fulfilled qualifications. This past year the members of Chi Epsilon sponsored the Civil Engineering Department's displays for Engineer's Day, and were rewarded when they received an award for the best display from the university. The organization also offered a scholarship for deserving civil engineering student at the University of Missouri—Rolla. This year's recipient of the award was Max Ethridge.

CHI EPSILON—FRONT ROW: Kirmeyer, G., Gayer, J., Strauser, B., Harris, M., Treasurer; Trexler, G., Vice President; Wolff, T., Secretary; Ethridge, M., President—Spring; ROW 2: Reed, L., Franken-

field, D., Mouser, G., Korth, M., Mays, L., Waggoner, J., ROW 3: Mendell, F., Langemach, W., Garrett, J., Beardsley, D., Ward, R.







PHI KAPPA PHI—FRONT ROW: Brown, R., Korth, M., Leanhardt, D., Leanhardt, D., Vernon, G., Heizer, G., McBride, S., ROW 2: Kuhn, T., Reed, L., Frankenfield, D., Murray, G., Hardy, G., Strang, B.,

Mouser, G., ROW 3: Caruthers, W., Puls, H., Umphenour, C., Gerdes, R., Schwanke, C., Ehlmann, B., Alexander, H.

## Phi Kappa Phi

Phi Kappa Phi, top scholastic honorary, elected to its membership the top twelve and one-half percent of the senior class and the top five percent of the junior class. A limited number of graduate students were extended invitations to join the organization. Special activities in the spring semester honored the Golden Anniversary of Phi Kappa Phi at UMR in conjunction with the centennial of UMR.

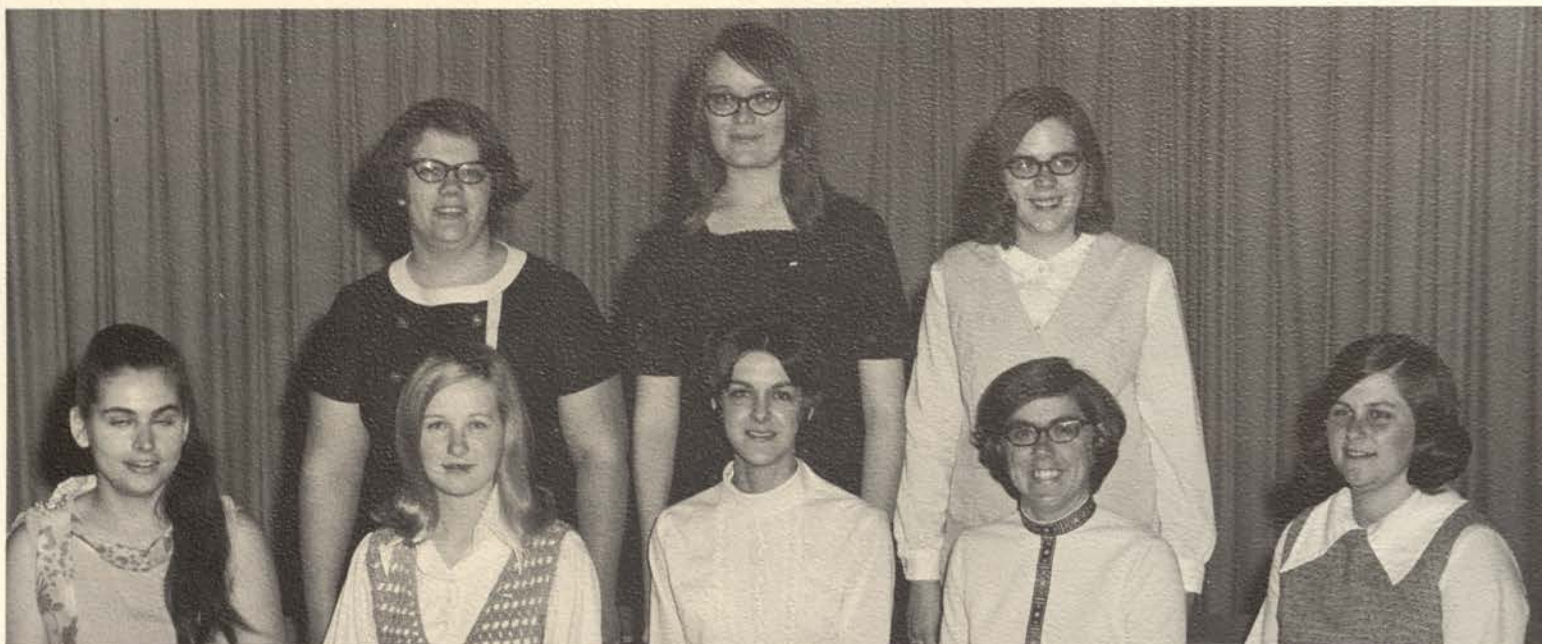
SIGMA PI SIGMA—FRONT ROW: Ward, T., Stovall, M., President, Higdon, W., Secretary-Treasurer, ROW 2: Glascock, M., Jasper, W., Blankenship, E.

## Sigma Pi Sigma

Sigma Pi Sigma, the physics honor society within the Society of Physics Students, set up many service projects this year. On both Parents Day and University Day, they conducted tours through the Physics Building and research labs. They also set up displays in the advanced undergraduate labs and explained them to the touring laymen. In addition to these projects, the members of Sigma Pi Sigma talked with many future Miners, developing further their interest in the University of Missouri at Rolla. Two initiation banquets were held during the year, one each semester, bringing the total membership to fourteen.







TAU BETA SIGMA—FRONT ROW: Howell, S., Fugitt, D., Treasurer; Cleveland, P., President; Sanders, D., Secretary; Hardwick, C.,

Vice-President; Row 2: Persing, D., Smith, C., Swoboda, A.

## Tau Beta Sigma

This year saw the beginning of an entirely new organization at UMR—Tau Beta Sigma Honorary Band Sorority. An affiliate of Kappa Kappa Psi fraternity, the UMR colony was formed under the leadership of President Pat Cleveland. The UMR Chapter, officially recognized in the Spring of 1970, was the first in Missouri, an accomplishment for the girls in our bands. Tau Beta Sigma boasts one of the highest ratios of eligible students to members: of ten women in the band, eight are members. Planned activities for the year included a Kappa Kappa Psi-Tau Beta Sigma banquet, and a junior-high school band clinic. It is hoped that this organization can encourage more girls to participate in the music program at UMR.

KAPPA KAPPA PSI—FRONT ROW: Herron, M., Corresponding Secretary; Click, J., President; Finnegan, J., Vice-President; Lynch, D., Secretary; Underwood, M., Treasurer; ROW 2: Kielar, G., Schlef,

## Kappa Kappa Psi

Upon returning from the 50th National Kappa Kappa Psi Convention in August at O.S.U., the Delta Gamma Chapter of the National Honorary Fraternity for College Bandsmen has had a very successful year. During the fall came the many football games, and with them came the Third Annual Kappa Kappa Psi Band Banquet. The fraternity led the band in it's winning of the Twelfth Man Award for spirit shown at the Miner football games by a school-sponsored organization. With the Music Department, it also co-sponsored the Annual UMR Band Day. The Spring semester began with the Eighth Annual Junior High School Band Clinic, in which over 400 students participated. With its many interested and active members, the fraternity has promoted a better understanding of college band work and music.

C., Conrad, C., Schmidt, P., Taylor, M., Cain, G., Heck, G., ROW 3: Smith, H., Kurtz, T., Rice, D., Wedge, K., Kinast, R., Lunningham, W., Jung, R.







PI EPSILON TAU—FRONT ROW: Wilson, T., Henry, R., Secretary-Treasurer; Merchant, A., Horne, J., President; Schwager, J. Koederitz,

L., ROW 2: Schob, T., Ohnimus, S., Efthim, A., Lee, J., Council, J., Honarpour, M., Singh, K.

## Pi Epsilon Tau

Pi Epsilon Tau, the National Honorary Petroleum Engineering Fraternity had one of its most successful years since its installation. Its membership increased and several new projects were undertaken. During the Fall semester an orientation meeting was held to help orient unclassified freshmen with Petroleum Engineering. Another project was the erection of a Petroleum Engineering sign on the exterior of the Petroleum section of the Mining Building on campus. Mu chapter was also involved with plans to initiate new chapters at Montana College and the University of Wyoming. The SPE trophy, the case and oil well pumping unit in the Petroleum Engineering department were maintained by Pi Epsilon Tau.

SIGMA GAMMA EPSILON—FRONT ROW: King, H., Kemp, W., Treasurer; Fielding, D., President; Jennings, T., Historian; ROW 2: Schmidt, T., Wedge, K. Soderberg, A., Brslik, W.

## Sigma Gamma Epsilon

Sigma Gamma Epsilon, the national honorary fraternity that combines students of geology, ceramics, mining, and petroleum engineering into a common organization, sold AAPG geologic highway maps and the geology kits used by students in all geology lab courses. The fraternity presented the W. A. Tarr Award to an outstanding senior studying in the earth sciences. The organization was proud of its faculty evaluation system which it sponsored this year in the Geology Department. With these activities, in addition to lectures and beneficial group discussions, the 15 members of Sigma Gamma Epsilon have strengthened their friendships and knowledge in the field of earth science.







ALPHA SIGMA MU—FRONT ROW: Michel, J., Toth, L., President; Gielow, K., Vice President; Ballantyne, D., Treasurer; Grider, J.,

ROW 2: Hammann, K., Scott, D., Renick, S., Welsch, W.

## Alpha Sigma Mu

This year's activities of Alpha Sigma Mu, the national metallurgical engineering honor society whose membership consists of those metallurgical engineering students who possess high scholastic and leadership abilities, began with University Day in November. The society featured various displays and exhibits which introduced many high school students to metallurgical engineering. In April the annual society outing was held, and it included a student-faculty softball game. New members were initiated into the society at the spring banquet and an award was presented for the most outstanding pledge.

KERAMOS—FRONT ROW: Shaefer, W., Treasurer; Schwedt, S., President; Portnoff, N., Vice-President; ROW 2: Denlow, I., Korklan, H., Stubbs, J., Logar, V., Secretary.

## Keramos

This year, Keramos, a national professional fraternity open to outstanding students in Ceramic Engineering, prepared a list of films available to all students in Ceramic Engineering. In the fall, a class of five new members were initiated into the honorary, and they heard a speech by Dr. Delbert Day at their initiation banquet. In the spring, Keramos presented a program for St. Louis area high school counselors in an effort to give both the counselors and their high school students a more complete evaluation of Ceramic engineering. The fraternity once again sponsored the "Outstanding Teacher Award," the "Senior Honor Award," the "HA Award," and the "Mudslinger," the departmental newspaper for the UMR students who are majoring in Ceramics.







ETA KAPPA NU—FRONT ROW: Giem, J., Advisor; Cook, M., Enke, D., Puls; H., Treasurer; Steury, T., President; Boudi, J., Kelley, R., Corresponding Secretary; Stoll, T., Adair, J., Advisor; ROW 2: Paul, D., Cook, R., Ross, J., Vernon, G., Murray, G., Howell, W., Massey, D., Brown, R., Wolfington, K., ROW 3: Miller, G., Alexander, H.,

Vaughan, S., Campanelli, T., Cobb, D., Doerr, W., Midden, L., McCormick, C., Beach, D., ROW 4: Thomasson, W., Wormington, T., Schuppau, W., Meeker, C., Cowgill, A., Jolly, S., ROW 5: Taylor, A., Olson, J., Morris, L., Horky, B., Gerdes, R., White, C., Jenkins, C., Cambier, J., Klump, R., Bentzinger, R., Hensley, D.

## Eta Kappa Nu

Eta Kappa Nu, the honor society for Electrical Engineering, and comprised of juniors and seniors who rank at least in the upper third of their class, who have shown exemplary character, and who are striving to attain a degree in Electrical Engineering on the UMR campus, heard speakers on subjects of interest to the whole EE student body of UMR. Pledge procedures were revised and updated to benefit the pledges to the greatest extent and to make induction much more meaningful and dignified.

## Tau Beta Pi

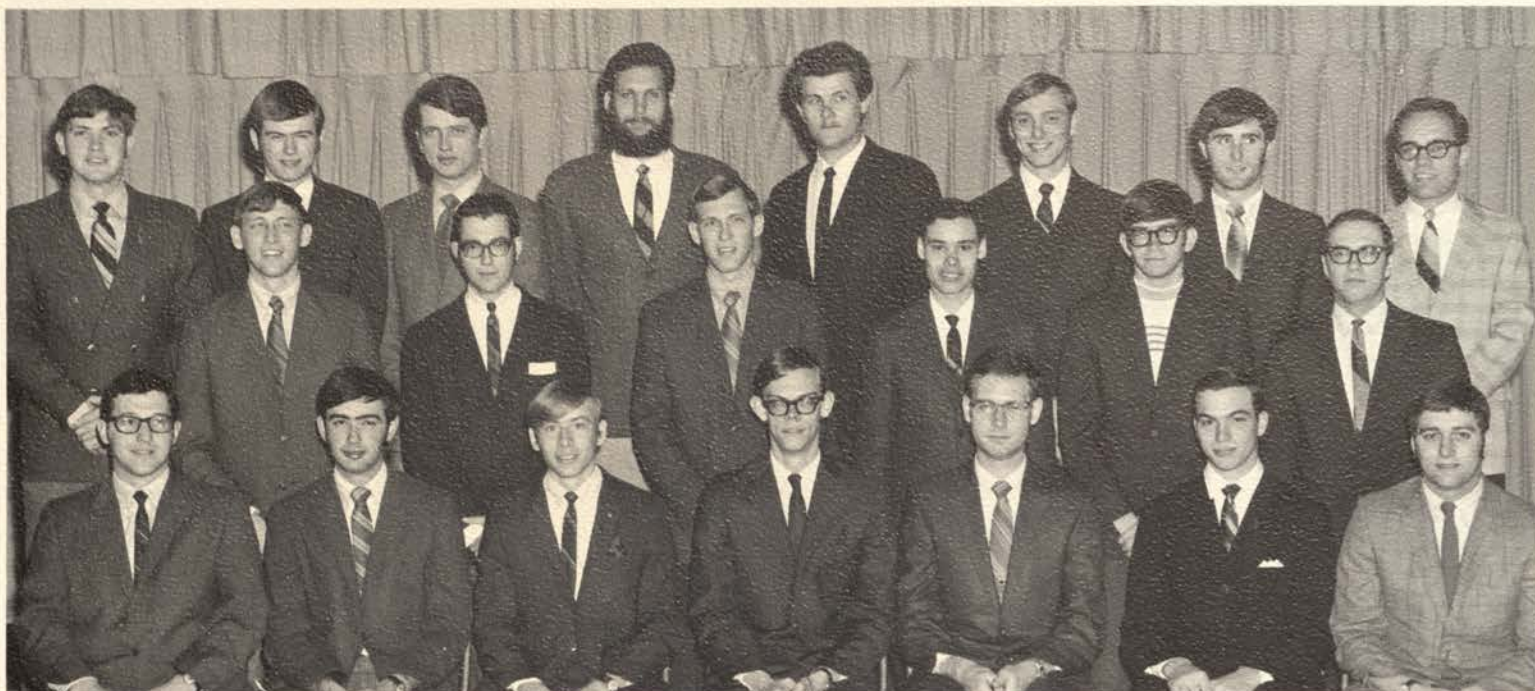
Tau Beta Pi, a national engineering honor society founded to recognize those of outstanding scholarship and exemplary character in the field of engineering, was very active on the UMR campus in promoting the ideals of scholarship and academic excellence and has striven to recognize students who are excellent in the area of academics at UMR. It has and will continue to challenge the University in a spirit of scholastic achievement, and serve as a goal for all conscientious engineering students.

TAU BETA PI—FRONT ROW: Reed, L., Kelley, R., Gerdes, R., Vice-President; Vernon, G., President; Massey, D., Stoll, T., Alexander, H., Treasurer; ROW 2: Seeland, M., Ross, J., Enke, D., Frankenfield, D., Kerth, M., Kuhn, T., Trexler, G., Heizer, G., Schmidt, T., ROW 3: Michel, J., Campanelli, T., Caruthers, W., Murray, G., Lean-

hardt, D., Leanhardt, D., Ward, T., Denlow, I., Portnoff, N., Vice-President, Fall; ROW 4: Murray, C., Strang, B., Schwanke, C., Puls, H., Finnegan, J., Wolff, T., Langemach, W., Mouser, G., Ward, R., ROW 5: Doerr, W., Gielow, K., Arnold, R., Steury, T., Umphenour, C., Williams, M., Kathmann, S., Jenkins, C., Hardy, G., Ethridge, M.







PI TAU SIGMA—ROW 1: Caruthers, W., President; Hasselfeld, D., Recording Secretary; Holdener, D., Umphenour, C., Vice President; Kathmann, S., Treasurer; Hardy, G., Sandner, B., ROW 2: Leanhardt,

D., Scherrer, P., Leanhardt, D., Feuer, J., Browne, K., Heizer, G., ROW 3: Kelley, J., Arnold, R., Allen, R., Kreimer, D., Williams, M., Maty, R., Barrett, A., Frye, E.

## Pi Tau Sigma

The Missouri Tau Lambda Chapter of Pi Tau Sigma, the National Mechanical Engineering Honor Fraternity, has grown in recent years to one of the largest of the chapters in the entire country. Beyond recognition of Mechanical Engineering majors for superior scholarship and outstanding character, Pi Tau Sigma was active in departmental and campus-wide service activities, such as slide rule instruction and the manning of information booths on University Day. As a further attempt to bring students and faculty together, members held semiannual outings. In addition, the coveted "Purple Shaft Award" was presented to the most deserving instructor in hopes that his classroom efforts would not go unrewarded.

## Kappa Mu Epsilon

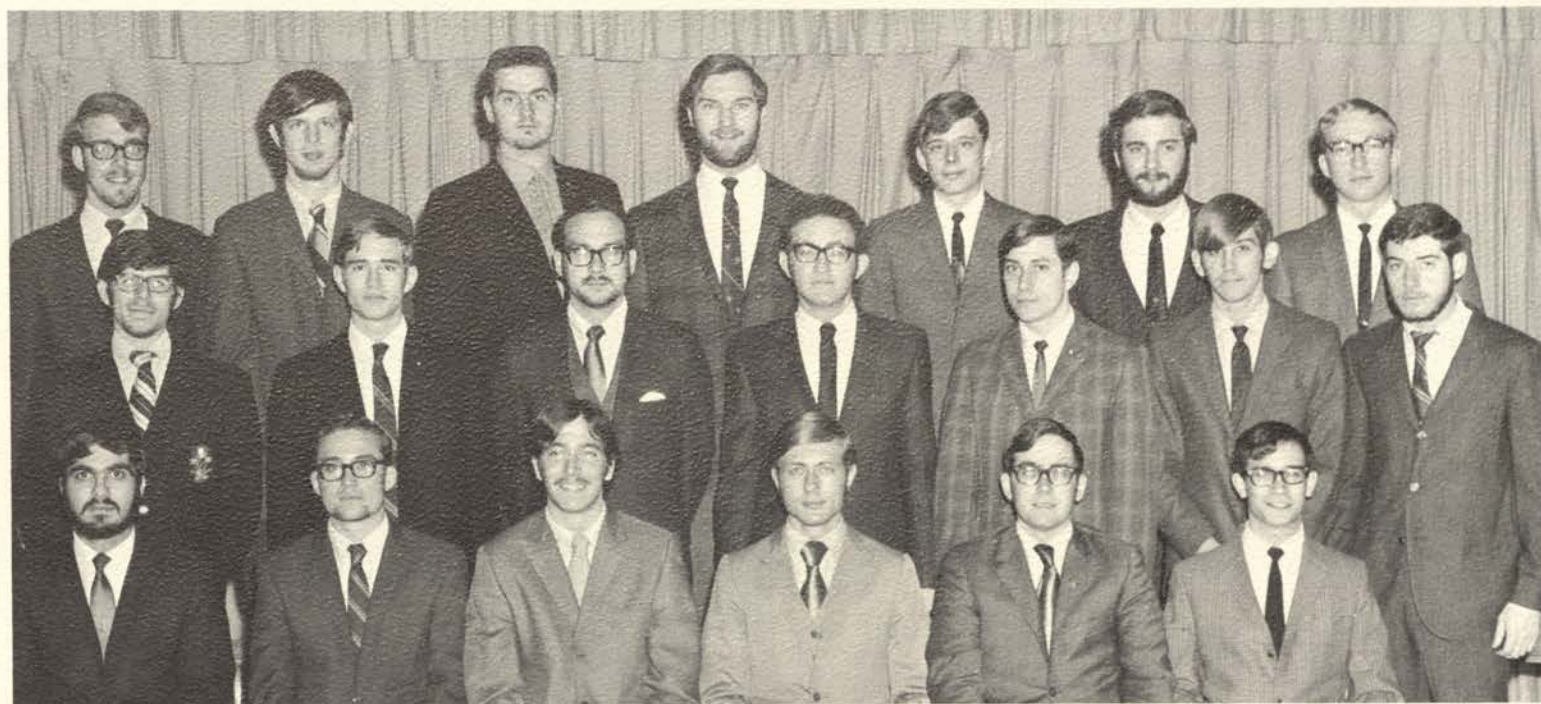
For the past year, Kappa Mu Epsilon, the National fraternity for superior mathematics students, has attempted to develop an interest in the dynamic and important field of mathematics on the UMR campus. At various meetings throughout the past year, competent mathematicians have presented lectures designed to acquaint the members with various phases of mathematics which they normally do not receive in the classroom. Kappa Mu Epsilon presented an annual award to the most outstanding UMR freshman mathematics student. Also, an award was given to the most outstanding mathematical project at the UMR science fair.

KAPPA MU EPSILON—FRONT ROW: Evers, M., Conner, D., Vice-President; Webb, S., President; Smith, L., Corresponding Secretary;

Kennedy, B., Recording Secretary; ROW 2: Binesh, B., Kelly, M., Joiner, J.







ALPHA CHI SIGMA—FRONT ROW: Binesh, B., Fitzgerald, R., Bushnell, J., Close, S., Ashby, K., Reuter, R., ROW 2: Muskopf, L., Murray, C., Sandella, M. Haiducek, B., Janoch, G., Book, N., Noel,

D., ROW 3: Schwanke, C., Allen, G., Diepenbrock, J., Meyer, R., Tacchi, K., McCormick, L., Staebel, R.

## Alpha Chi Sigma

Alpha Chi Sigma, the national professional chemical fraternity whose members are elected from students majoring in chemical engineering and chemistry, has striven to develop fellowship among its members, aid its members in their professional development, and improve relationships between students and faculty. Projects for the year included a campaign against laboratory accidents, tutoring underclassmen in chemistry and chemical engineering, and helping the local Boy Scout troop with their chemistry merit-badge program. The traditional Professor Snarf award was again presented to the most deserving professors in the chemical engineering and chemistry departments.

PHI ETA SIGMA—FRONT ROW: Ford, L., Kess, R., Corresponding Secretary; Hill, J., Treasurer; Underwood, M., President; Noel, D., Langston, D., Carmichael, D., ROW 2: Walker, S., Henson, J.,

## Phi Eta Sigma

Phi Eta Sigma, UMR's honorary scholastic fraternity for freshmen and sophomores, continued to promote high scholastic achievement, as well as provide a variety of activities for its members and the students of the University of Missouri Rolla. Despite the high scholastic standing of a 3.50 grade point or better required for initiation, forty-six active members answered the roll call this year. Among its activities was the annual spring banquet and initiation. Plans were formulated for other social activities as well. A continued effort to better the campus, the organization, and scholastic achievement on campus was made by the members of this fraternity.

Bushnell, J., Bafford, D., Smith, G., Boschert, T., Hentz, T., ROW 3: Steel, A., Portnoff, L., Behr, M., Taylor, M., Rice, D., Nolle, J.







PERSHING RIFLES—FRONT ROW: Borchardt, J., Drill Master, Summers, A., Gross, E., Garnett, D. C.O., Smith, A., Miller, W., X.O., Kelley, R., Winsor, B., Buckwalter, J., ROW 2: Fecht, R., Davis, J., Dryer, K., Judd, M., Finley, R., Houdeshell, D., Thies, F., Pace,

M., Wilson, L., Gastreich, K., ROW 3: McInay, J., Bartlett, W., Baygents, L., Rothermich, R., Dodge, J., Jordan, T., Orrick, J., Cadwallader, G., Howell, J.

## Pershing Rifles

Company K-7, Pershing Rifles, has fostered a spirit of friendship and cooperation among the men of the ROTC department. Company K-7 is currently the "Best Company" in the four-state region which constitutes the Seventh Regiment. This year the rifle and pistol teams of Company K competed on a national basis. Color guards and cannon crews provided by Company K served at all UMR parades and home football games. The Pershing Rifles' outstanding exhibition drill team competed in drill meets throughout the Midwest, as well as performing for UMR military events. Highlights of the year for the men of the Company were the Military Ball and Seventh Regimental Assembly and Drill Meet.

## Scabbard And Blade

The National Society of Scabbard and Blade has worked hard this past year to exemplify its status as the only military honor organization on the UMR campus. Last fall, Lt. Michael S. Clayton, one of our past members and a 1968 graduate of UMR, received the Hughes Trophy. This is awarded annually to the most outstanding commissioned ROTC graduate. The members of the Rolla Company participated in the National Convention of Scabbard and Blade held in Cleveland, Ohio, during November. The Society also planned and executed the annual Military Ball which fell on Valentine's Day this year.

SCABBARD AND BLADE—FRONT ROW: Strang, B., Ross, J., 1st Sgt.; Branham, J., 1st Lt.; Michel, J., Captain; Maune, D., 2nd Lt.; Bondi, J., Conner, D., ROW 2: Knowles, J., Haberl, E., Altepeter, M., Ingram,

M., Fessender, R., Bartlett, W., Foster, M., ROW 3: Coen, L., Gross, E., Davis, J., Arnold, R., Olson, J., Thomson, R.







RAIDERS—FRONT ROW: Strang, B., Keating, J., Altepeter, M., Fessenden, R., Davis, J., Grana, D., Weidler, G., ROW 2: Clark, R., Kling, R., Hinkle, K., Deardeuff, D., Ruzicka, W., Asencio, N., ROW

3: Brskensiek, D., Bridges, M., Korte, M., Corey, M., Esterdhy, R., Moore, K.

## Raiders

During the past year, the UMR Raider Company has continued its program to further the military knowledge of its members. In a course that lasts a full year, its members have been taught such varying skills as long-range patrolling and maneuvers, hand-to-hand combat, and the use of a traverse. The Raider Company supplemented its classroom instruction with work in the field on various forms of guerrilla and counter guerrilla warfare, which helped to give the UMR Reserve Officer Training Corps member a full and deeper understanding of the military, so that upon completion of the Raider program a cadet will have developed a greater feeling of self confidence and wear with respect the Raider trademark, a black beret.

AUSA—FRONT ROW: Knowles, J., Haberl, E., Olson, J., Benezette, R., Schulte, T., Green, R., Corey, M., ROW 2: Keating, J., Strang, B.,

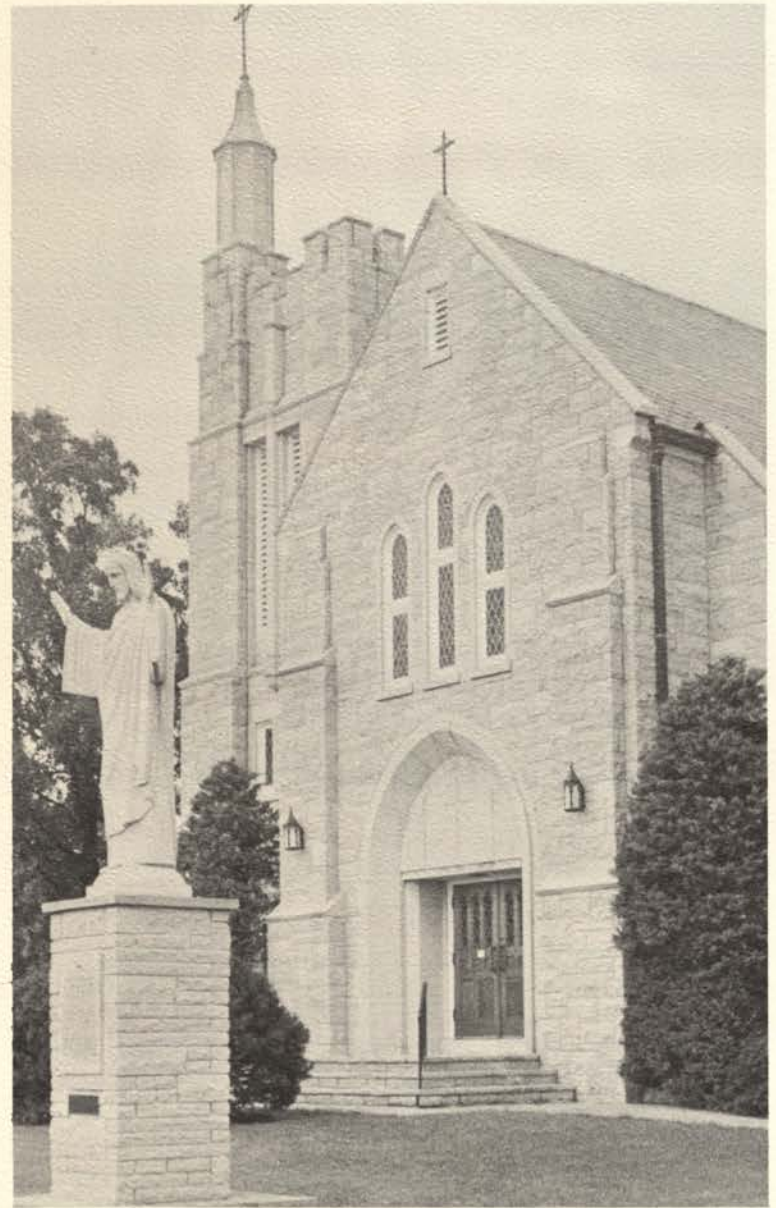
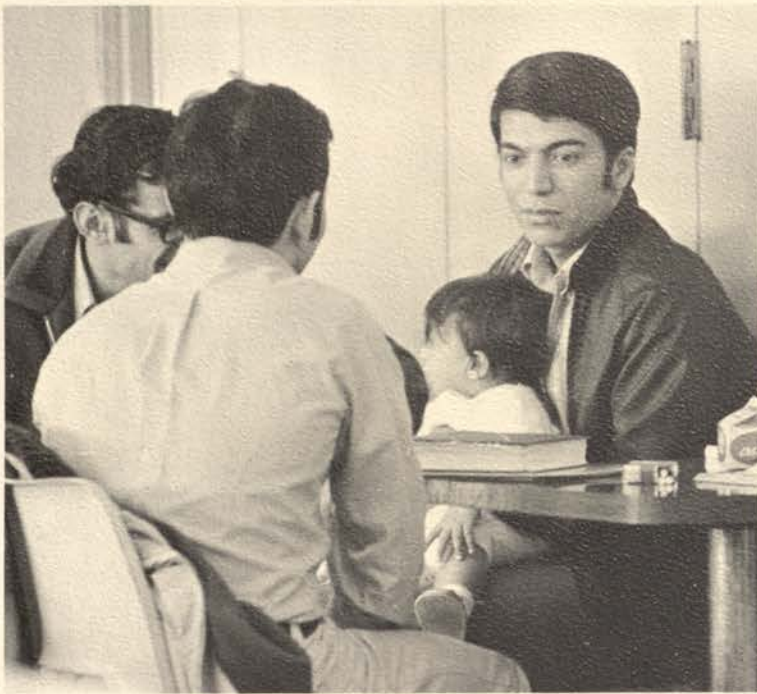
## AUSA

During the past year, the Association of the United States Army continued its tradition of service to the UMR campus and to the Rolla community. The Captain Sylvan K. Bradley Memorial Company aided all draft-eligible men by having a representative of the State Selective Service Board speak on campus. They also sponsored such noteworthy projects as the PCPT course, a blood drive, and informative meetings on the role of an officer of the Association's aim of the promotion of the traditions of the United States Army and the ROTC program. These aims were recognized when their representatives were asked to attend the annual national meeting in Washington, D.C., in the fall.

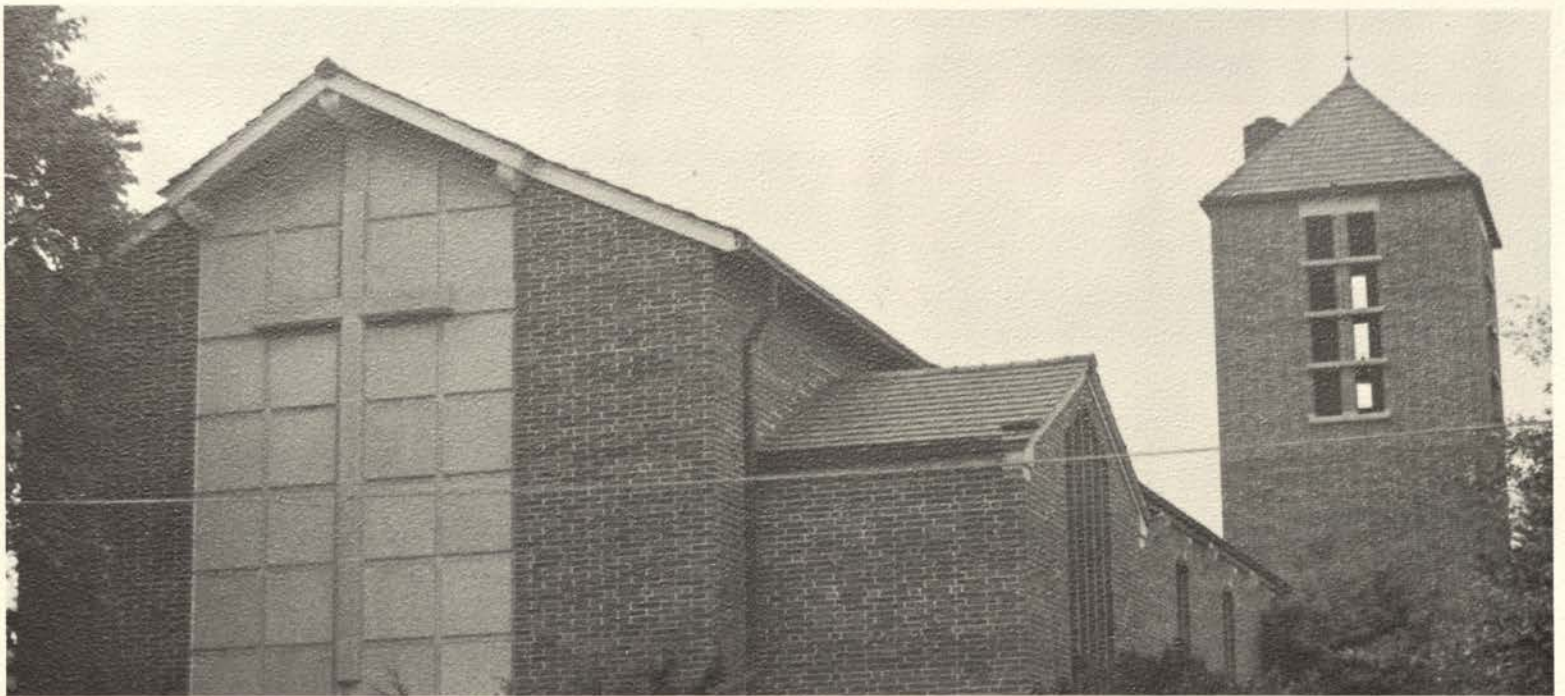
Finley, R., Kling, R., Grana, D., Weidler, G., ROW 3: Davis, J., Dodge, J., Altepeter, M.











## Religious, Intercultural

Korean Student Association and Black Student Association are formed on the UMR campus. . . . Father Prass is new Chaplain for the Newman Center Parish . . . . The Cellar Door sponsored by all Religious organizations provides good entertainment for party weekends. . . . Iranian Student Association enjoys a good year. . . . Wesley Foundation sponsors a retreat for its members. . . . Baptist Student Union is very active in intramurals. . . . Chinese Student Association sponsors Ping-Pong Tournament. . . . Newman Club becomes more active on campus. . . . The Association of Arab Students sponsors many guest speakers.







INTERNATIONAL FELLOWSHIP—FRONT ROW: Godwin, V., Ahmad, A., Hukku, S., Olusanya, O., Treasurer; Yuksel, E., President; Floros, C., Vice-President; Singh, K., Secretary; Binesha, B., Attiga, M., ROW 2: Farazandeh, P., Hadari, K., Noori, H., Barkatullah, S., Achmad, G., Assadi, M., Davarpanah, M., Mangunwidjojo, A., Avij, B.,

Binesh, P., Golafshar, H., ROW 3: Kaynia, N., Ahmad, A., Hussain, I., Majidi, M., Yousuf, M., Kasrai, F., Sariolghalam, F., Zoueshtiagh, N., Nikraves, K., ROW 4: Roy, R., Vora, P., Al-Rifai, A., Nili, A., Babu, P.

## International Fellowship

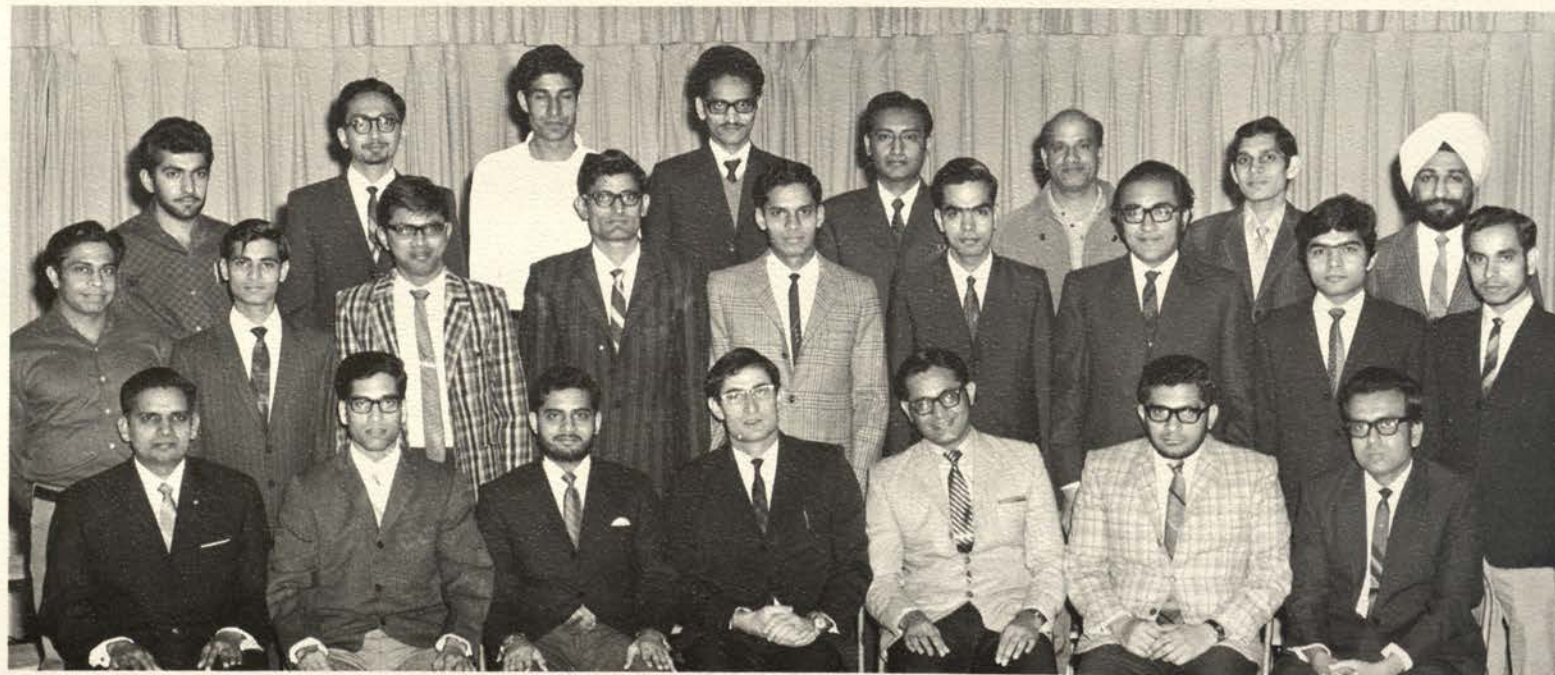
The International Fellowship strived to promote friendly, cultural, and technical relations between international students and local citizens through the exchange of knowledge. The Fellowship had a general lecture series program in which several speakers were invited to lecture on current international issues, and sponsored an International Exhibition in which several different cultural products were displayed. As always, International Fellowship held its annual banquet.

## India Association

The India Association attained its purpose of promoting friendship and understanding among students from India and other countries and helping Indian students adjust to their new environment. This year, the Association served to acquaint the people of Rolla with India's unique culture by holding celebrations of Indian festivals, showing Indian movies, and by sponsoring Indian-styled dinners to which the public was invited.

INDIA ASSOCIATION—FRONT ROW: Nelli, D., Roy, R., Tolani, S., Hukku, S., President; Merchant, A., Vice-President; Kumar, A., Secretary, Bandyopadhyez, S., ROW 2: Parikh, U., Bakhru, P., Parekh,

B., Birbal, S., Bankar, S., Krishna, P., Kuckreja, V., Aneja, G., Bajaj, R., ROW 3: Taneja, P., Vora, P., Bhatia, R., Khalil, H., Chaudhary, S., Doraibabu, P., Singh, K., Sabharwal, K.







LIA HONA FELLOWSHIP—FRONT ROW: Thompson, L., Treasurer; Brendel, S., Secretary; Hahn, P., Gatrost, A., Vice-President; Dortch, S., President; ROW 2: Jones, J., Burrows, G., Middleton, J.,

Middleton, J., McCarty, D., ROW 3: Hiatt, W., Grice, H., Advisor; Ferguson, T., Willoughby, R.

## Liahona

This year, the Liahona Fellowship established its own Sunday-school class from 9:45 to 11:00 a.m. each Sunday at the RLDS Church. Meetings were held once a month at which current topics and religious questions were discussed. The group also sponsored a prayer and testimony service for anyone interested at 9:00 a.m. on the first Sunday of each month. This year, the Liahona Fellowship observed Homecoming with a hayride, a family night potluck supper and campfire, and a quiet get-together at Dr. Harvey Grice's house. This has also been the first year for participation in intramural sports.

## B.S.U.

For this past year, the Baptist Student Union served to supplement the ministry of the local Baptist churches by student-led activities. Both state and national conventions and retreats were sponsored by Baptist Student Union. The married students in the Union organized a monthly dinner for all those interested. Following each dinner was a discussion on some popular topic, religious or otherwise. On the social side, Baptist Student Union again this year entered a good competing team in every one of the major intramural sports, and entertained at their center with parties and banquets throughout the year.

BAPTIST STUDENT UNION—FRONT ROW: Toombs, H., Secretary; Nelli, D., Bogue, J., Schlef, C., Haverstick, J., ROW 2: McCor-

mick, C., Schlett, P., Strother, G., Bowen, W., Ragsdale, C., ROW 3: Pitt, D., Laramore, R.







CHINESE STUDENT ASSOCIATION—FRONT ROW: Ho, K., Ling, S., Wu, J., Wu, M., President; Guhse, Mrs., E. J., Guhse, E., Advisor; Shen, W., Vice-President; Shen, G., Treasurer; Shion, Y., ROW 2: Chen, C., Wang, C., Secretary; Chen, Y., Tung, C., Chuan-Mow, C.,

Lai, R., Jiang, H., Wu, C., Wu, C., Chen, W., Lu, C., ROW 3: Lan, S., Ho, K., Shieh, Y., Chiang, J., Hao, W., Chi, C., Chan, K., Kou, W., Chung, L., Chen, C., ROW 4: Tseng, R., Lee, K., Wang, P., Chen, M., Tsay, Y., Hsia, D., Chen, H., Yao, S., Lee, M., Wang, J.

## Chinese Student Association

The Chinese Student Association had as its main objective the helping of its new members to live in harmony in their new environment and promoting fellowship among students from other nations, besides providing entertainment and relaxing competition for members with games and tournaments held at the Student Union. The organization sent its basketball team against similar organizations on other campuses to develop a joint program with these institutions. The organization also invited speakers to its regular meetings and had its annual outing with families from the Rolla area to familiarize its members with the different thinking and living habits of people of different culture.

KOREAN STUDENT ASSOCIATION—FRONT ROW: Chung, H., Lee, K., Advisor; Kim, W., Vice-President; Illian, D., President; Park, B., Advisor; Chun, J., Lee, C., ROW 2: Koo, C., Cho, J., Bai, W., Hahn,

## Korean Student Association

The Korean Student Association, founded in order to promote mutual understanding and fellowship among all students at the University of Missouri-Rolla, sponsored several discussion sessions, barbecues and picnics, and numerous social gatherings. It has also been beneficial in helping new students adjust to the new independence of college and adult life. The activities of the Korean Student Assn. were a Korean film festival, a lecture series, a table tennis tournament, and a celebration party of Korean Independence Day.

Y., Davis, J., Kim, Y., ROW 3: Lim, C., Sik, Y., Park, D., Yang, S., Lee, S.







IRANIAN STUDENT ASSOCIATION—FRONT ROW: Kaynia, N., Farazandeh, P., Kasrai, F., President; Binesh, P., Secretary; Davarpanah, M., Binesh, B., Nikravesh, K., ROW 2: Avij, B., Farazandeh,

E., Sariolghalaw, F., Zoueshtiagh, N., Nili, A., Sarmasti, A., Golafshar, H., ROW 3: Assadi, M., Majidi, M.

## Iranian Student Association

The purpose of the U.M.R. Iranian Students Association was to promote friendly relations among the students on campus, to provide guidance to new Iranian students, and to keep Iranian students at UMR informed of the cultural and political affairs concerning Iran and Iranian students throughout the world. The Iranian Student Association actively involved itself in many service projects during the past year: it collected money for an Iranian earthquake benefit fund; and it sent a letter to the Iranian Embassy asking for the reasons for the imprisonment of some professors and students of the University of Tehran. It also celebrated Iranian national holidays and arranged speeches and lectures from the World I.S.A.

FEDERATION OF LATIN AMERICAN STUDENTS—FRONT ROW: Davila, G., Vice-President; Bermudez, J., President; Hunt, T., Advisor; Buendizho, E., Treasurer; McIntyre, M., Secretary; ROW 2:

## Federation of Latin American Students

Promoting fellowship as well as providing aid and a friendly face to one portion of UMR's foreign students during 1969-70 was the Federation of Latin American Students. In providing a complete program of cultural education as well as many of the elements of life back home, the organization provided the dual function of acquainting the newly arrived student with life in the United States, as well as acquainting the students of UMR and members of the community of Rolla with the way of life and the ideas of our neighbors to the south. The Federation of Latin American Students also had some entertaining speakers from Latin America to discuss current problems.

Camacho, A., Saavedra, J., Luque, J., Pacheco, C., Benitez, J., ROW 3: Gonzalez, L., Moscoso, J., Stefanutti, P., Katz, R., Jackson, J.







BLACK STUDENT ASSOCIATION—FRONT ROW: Karam, R., Advisor; Compton, N., Secretary; Winfield, F., President; McClain, G., Vice-President; Brown, B., Treasurer; ROW 2: White, Fred, Wilks,

R., Morrison, R., Johnson, B., Nash, Z., Moore, D., ROW 3: Hamilton, J., Newman, R., Curby, R.

## Black Student Association

"If the entire American population were properly educated—by properly educated—I mean given a true picture of the history and contributions of the black man—I think many whites would be less racist in their feelings." From this statement were obtained the objectives of the Association of Black Students, an organization for the purpose of uniting and obtaining further representation for black students, and improving the relations among the black students, the white students and the members of the community. Although this organization is one of the newest on the UMR campus, it has successfully completed a program to recruit black students in the field of science.

INTER-VARSITY CHRISTIAN FELLOWSHIP—FRONT ROW: Reed, S., Treasurer; Stoll, S., Secretary; Fenton, G., President; Mammed, R., Vice-President; Hatfield, C., Faculty Adviser; ROW 2: Mathis,

## Inter-Varsity Christian Fellowship

The goal of the Inter-Varsity Christian Fellowship at UMR is to spread the good news of Christ to students and to encourage each member in Christian growth. This was done mostly through speakers, group discussions, and Bible studies at the weekly meetings. Special events that were sponsored by Inter-Varsity included a free movie entitled "Lost In The Crowd," and a concert by Linda Rich, a folk singer who writes contemporary Christian music. Also a book drive was held for the Missouri State Penitentiary. As far as their activities go it seems that UMR's Inter-Varsity Christian Fellowship placed special interest this year on achieving their goal in bringing Christ into the lives of UMR students.

T. Cobb, D., Warren, J., Powell, M., Stutsman, J., ROW 3: Jarrett, B., White, R., Bohanon, J., Gasper, S.







MUSLIM STUDENT ASSOCIATION—FRONT ROW: Yuksel, E., Merchant, A., President; Mangunwidjojo, A., Treasurer; Al-Rifai, A., Secretary; Achmad, G., Najjar, A., ROW 2: Barkatullah, S., Ahmad,

A., Borahay, A., Hadari, K., Ahmad, A., Yousuf, M., Noori, H., ROW 3: Attigu, M., Shilli, M., Hussain, I., Khalil, H., Masli, D., Wariath, B., Taleb, T.

## Organization of Arab Students

The Organization of Arab Students promoted friendship and understanding among students from the Arab world and other countries. The organization served the vital purpose of acquainting both the non-Arab students and the citizens of Rolla with the various aspects of the Arab Culture. In fulfilling this purpose the organization sponsored speakers to many local meetings and held its annual banquet, thus achieving a better relationship with the students and citizens of Rolla.

ORGANIZATION OF ARABS—FRONT ROW: Hadari, K., Shilli, M., Najjar, A., Treasurer; Attiga, M., President; Al-Rifai, A., Vice-

## Muslim Student Association

In its first year on the UMR campus, the Muslim Student Association spent the year in planning and organization. The purpose of this organization is to strengthen the fraternal bonds among muslim students, to make Islam better understood by the Muslim students, and to provide guidance to new Muslim students on campus as to housing, registration, and employment. The organization is open to all Muslim students and staff members, however non-Muslim students are eligible for honorary membership.

President; Borahay, A., ROW 2: Hammoud, M., Wariath, B., Masli, D., Karam, E., Taleb, T.







NEWMAN CLUB—FRONT ROW: Faletti, J., Recording Secretary; Kielar, G., Treasurer; Velasquez, B., Corresponding Secretary; Trnka, W., President; Azarewicz, G., Advisor; Azarewicz, J., Advisor; ROW

2: Gunn, R., Kramer, J., McCluskey, H., Rois, R., Skosey, G., Prass, C., Chaplain; ROW 3: Koift, C., Cambier, J., Hoffmann, R.

## Newman Club

The Newman Club at UMR, organized to bring Catholic students together, actively participated in the Ecumenical Program on Campus, inner-city renewal projects, intramural sports, and the Freshman Assistance Program. The Newman Center, open to all University of Missouri-Rolla students, provided counseling, library, and recreational facilities. It was at the same time, the Catholic chaplain's parish house. Daily afternoon Mass, marriage-preparation programs, Cana conferences for interfaith marriages, and continuing inquiry discussion groups were only a few of the benefits that the Center offered.

CHI ALPHA—FRONT ROW: Ford, L., Vice President; Manshardt, W., President; Gunter, D., Secretary-Treasurer; ROW 2: Brennecke, B., Adams, G., Harrison, H.

## Chi Alpha

Chi Alpha, the collegiate outreach of the Assemblies of God, placed emphasis upon a personal relationship with Jesus Christ and continued development through worship with God and the Baptism in the Holy Spirit. Other aspects of concentration included the sharing of individual insight and interpretation of the scriptures as applicable to present day events and conditions. Chi Alpha met every Tuesday at the First Assembly of God Church.







INTERFAITH COUNCIL—FRONT ROW: Wellek, R., Advisor; Darabi, G., Treasurer; Stabo, B., Secretary; Hardy, G., President;

Nations, R., ROW 2: Pickell, M., Horne, J., Trnka, W., Schlett, P., Schweider, J., Strother, G., Tait, S.

## Interfaith Council

The Interfaith Council of UMR, a service organization composed of fourteen delegates from seven campus religious organizations, had as its main purpose to coordinate and supplement the activities of these organizations on the University of Missouri-Rolla campus. This year's activities were a lecture by radio announcer Steven B. Stevens, a program for freshman orientation to promote participation in individual church functions, and a co-sponsored concert by the *Up With People* singers. The Council also supported and helped run the Cellar Door coffee house, a place for students to go for relaxation and fun on party weekends.

GAMMA DELTA—FRONT ROW: Langhoff, D., Vicar; Stabo, B., Corresponding Secretary; Bruening, J., President; Jaggi, S., Recording

Secretary; Steffen, W., Treasurer; ROW 2: Doberenz, M., Schippons, R., Hollrah, D., Sandhaus, D., Liescheidt, K., Stubbs, J.

## Gamma Delta

The programs and activities of Alpha Phi Chapter of Gamma Delta, the International Association of Lutheran College Students, were planned to promote Christian knowledge and service, and to provide Christian fellowship. Membership was open to all students at the University of Missouri-Rolla. The organization's activities included monthly cost suppers, guest speakers, social events with other chapters, annual regional conclaves, and an outing for both faculty and students.







WESLEY FOUNDATION—FRONT ROW: Sager, D., Hardwick, C., Hardwick, J., Payne, J., Cobb, D., President; Langemach, C., Secretary; Brewer, L., Alinder, L., Vice-President; Chenoweth, S., Sanders, D., Cadwallader, G., ROW 2: Wilson, D., Cope, R., Bartruczak, V., Wagner, P., Bradd, J., Spiry, M., Whites, B., Howell, S. Stutsman, J., Evans, P., Fugitt, D., Poertner, P., Briggs, B., ROW 3: Lutz, D., Asencio, N., Basel, D., Jeffrey, M., Creech, M., Goldammer, S., Stoll,

S., Edele, J., Craig, T., ROW 4: Nators, R., Habegger, R., Phillips, R., Pickell, M., MacDonald, J., Schneider, J., Weld, L., Swearingen, P., Weiss, D., Young, T., Ernst, W., Hyde, J., ROW 5: Alford, J., Harman, S., Yates, F., Kugler, D., Huskisson, W., Aufderheide, D., Bolt, M., Vojta, G., Muller, R., Berkel, E., Ranek, B., Sechrest, R., Sodammol, W., Burt, W., Earnest, R.



The Wesley Foundation recently acquired this house to accommodate its new members. It also houses dining and recreational facilities.

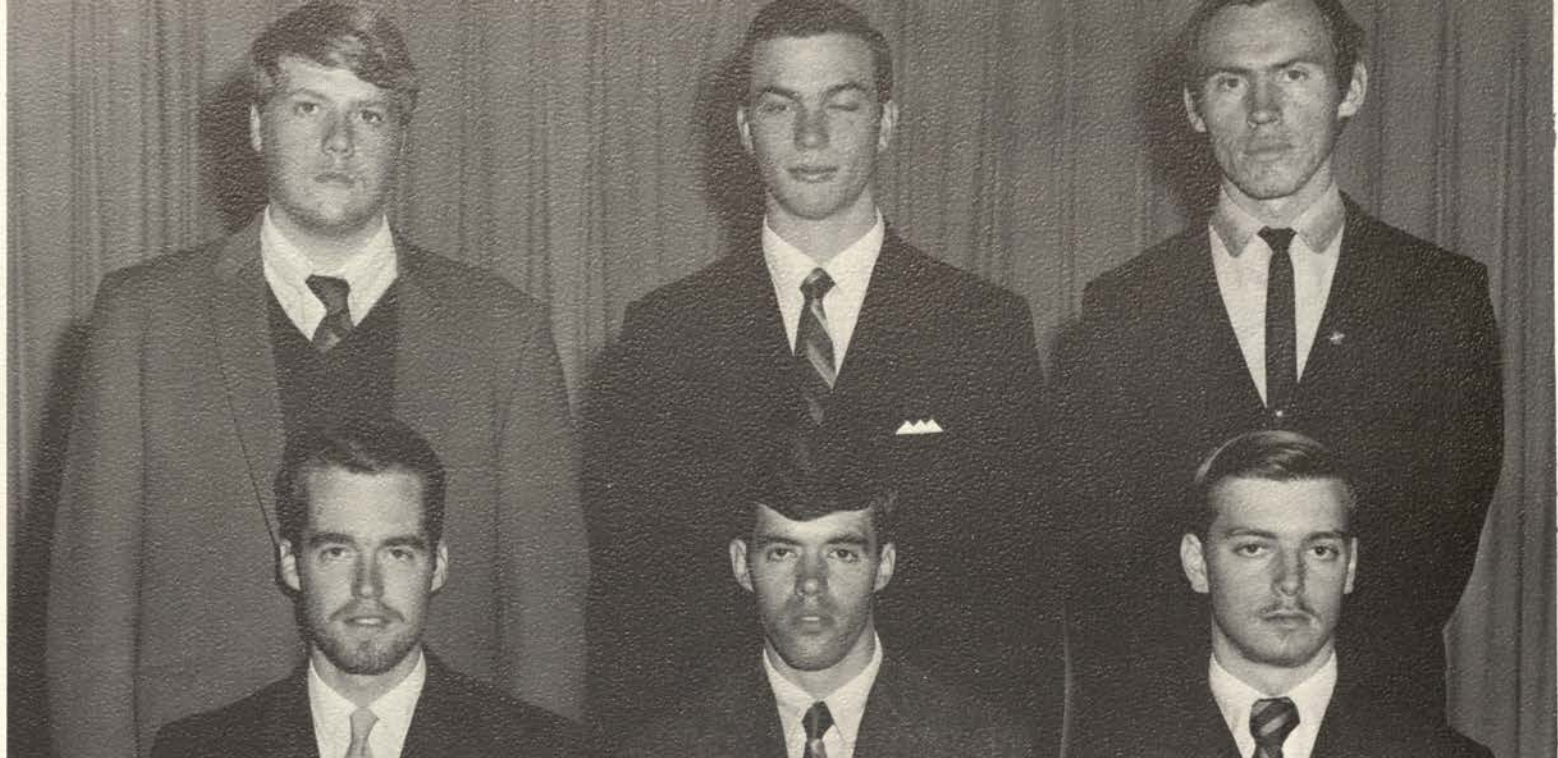
## Wesley Foundation

A national Junior Chamber of Commerce award for its inner city service program proved a fitting beginning for an outstanding 1969-70 academic year for the men and women of Wesley House. The year opened with the largest group of Freshmen ever to participate in the Wesley program, continued with the successful completion of the boundaries survey at Blue Mountain Camp, and the major rewiring project at Arcadia Methodist Assembly. Wesley continued to forge ahead in her program of inner city home and church repairs and then celebrated Christmas by winning the School Organizations' Trophy for the Christmas decorations. As far as the members of Wesley House were concerned, their first anniversary in their new house was an enjoyable affair, for in one year they accomplished many of their goals, and had many good times.

Wesley Foundation along with the rest of the religious organizations sponsors a coffee house on party weekends where folk singers entertain the students.







UNITED CAMPUS CHRISTIAN FELLOWSHIP—FRONT ROW: Wagner, P., Vice-President; Lynch, J., President; Rice, D., ROW 2: Barczowski, D., Hardy, G., Schneider, J.

## United Campus Christian Fellowship

The United Campus Christian Fellowship, an organization composed of Presbyterian, Christian (Disciples), and United Church of Christ affiliated students, provided Sunday Morning discussion groups, Sunday evening dinners, and weekend canoe trips and retreats. Through facilities provided by the Presbyterian Church and the Wesley Foundation and funds provided by the United Ministries for Higher Education, the group had a good year.

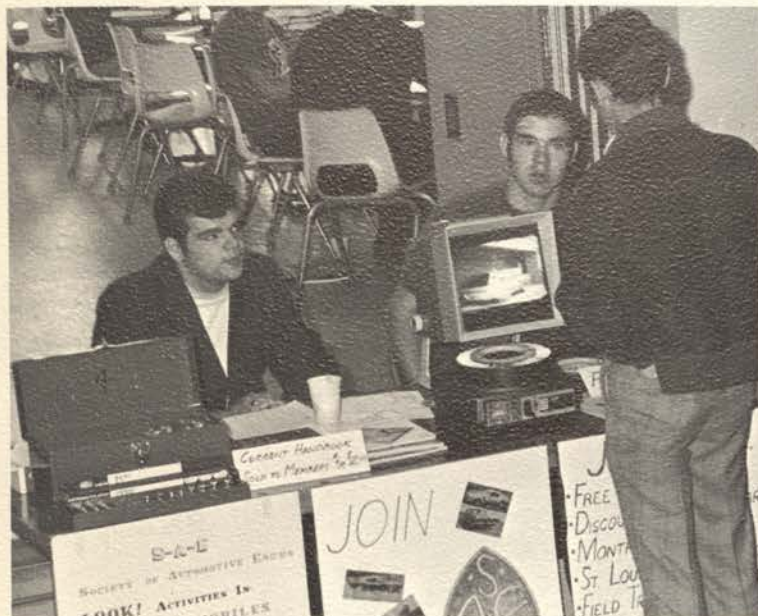
CHRISTIAN SCIENCE ORGANIZATION—FRONT ROW: Kreutz, T., Clerk; Goodboy, K., President; Wright, S., Treasurer; ROW 2: Barczewski, D., Waggoner, R., Advisor; Johnson, J., Secretary.

## Christian Science Organization

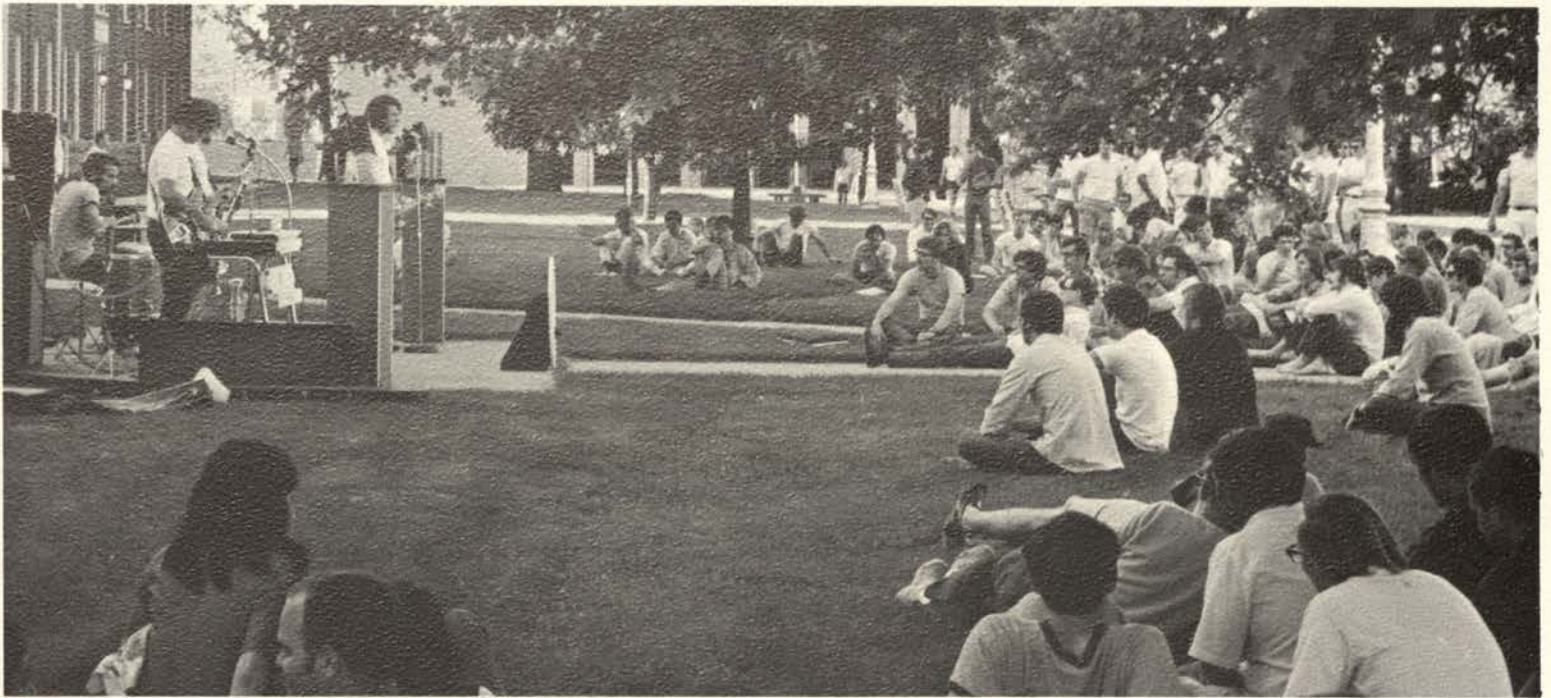
The Christian Science Organization held weekly testimony meetings and sponsored a lecture by a distinguished Christian Scientist. At various times during the school year, films, recordings, and informal talks were presented as parts of the weekly program. Also during the spring an outing for the students and faculty was given, with the highlight of the outing being a student-faculty softball game, which the faculty won for the second year. The Christian Science Organization also helped sponsor the Cellar Door Coffee House on party weekends.





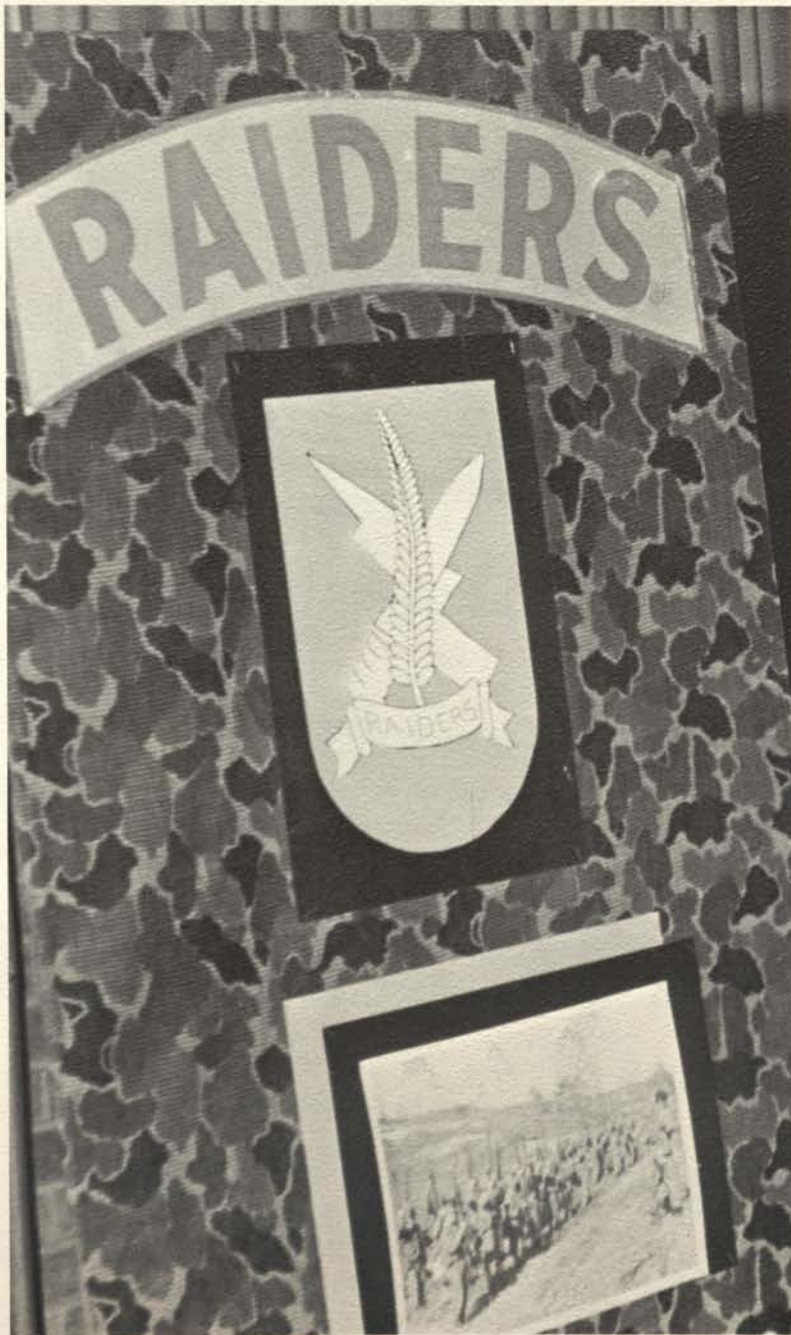






## Professional and Special Interest

. . . .UMR Concert Bands play at Springfield area high schools. . . .AEG visits Union Carbide and Reynolds Metal Plants. . . .CYD sponsors Mini Concert on Campus. . . .ANS hosts ANS Mid-American Conference. . . .SPE visits New Orleans and Jacksonville . . . .ASCE tours Budweiser Plant and Busch Memorial Stadium. . . .W. T. Shrenk Chemical Society presents a display for Engineer's Day. . . .CYR and CYD sponsor Moratorium activities on campus. . . .ACM forms a Computer Science Honorary. . . .UMR Concert Bands play two-day concert at St. Louis Zoo. . . .ACM sponsors short computer science course.







The Brass Choir, under the direction of Mr. Joel Kramme, played mostly dance-band arrangements of popular jazz tunes and selections from Bach.



Mr. Joel Kramme in only his second year at UMR was selected Advisor of the Year. He is the advisor of Kappa Kappa Psi and Tau Beta Sigma.



Mr. Oakley, director of the music department, directs the Concert Band at the dedication of the new Multi-Purpose Building in October.





The Concert Band under the direction of Professor David Oakley played varied types of music, including waltzes and polkas.



Double-Bass player, John Alfred, waits in anxious anticipation for his part of the music to be reached in one of the rehearsals the band has every afternoon.

## UMR Concert Band

After the marching season is finished, the marching band breaks down into a concert band under the direction of Mr. David Oakley and a brass choir under Mr. Joel Kramme. The band this year went on two high-school tours. A mixed choir, formed by Mr. Kramme, travelled with the band on their tours. The band also played this year for the dedication of the Multi-Purpose Building and for Founders' Day events. The highlight of the concert season was a two-day trip to St. Louis for a Cabaret Concert at the St. Louis Zoo. The band is looking forward to moving into expanded facilities and adding personnel so that it will be possible for a student to minor in music, and some day in the near future, obtain a degree.



The Mixed Choir, which was formed this year, played with the band on the high-school tours. They also performed at the Cabaret Concert.





KARATE CLUB—FRONT ROW: McFerrin, J., Ray, B., Secretary; Look, Dr. D. C., Advisor; Smith, G., President; Henricks, R., Historian; Feurer, J., Treasurer; Behnam, A., ROW 2: Farhadi, M.,

Bartniczak, V., Pfifer, B., Jordan, T., Swearingen, P., McClain, G., Baldwin, D., Bullock, L.

## Karate Club

"The ultimate purpose of Karate," says Mas Oyama, famous black belt, "is to develop the better features of human character rather than merely to strengthen human beings against physical enemies." In this spirit, the UMR Karate Club, affiliated with the Choi Karate Institute of Chicago, Illinois, instructed members in the Korean style of Karate, Tae Kwon Do. Demonstrations were given by Vito Rallo, first degree black belt, St. Louis, and Nick Boodris, third degree black belt, Chicago. Members learned various offensive and defensive fighting techniques, and had a chance to increase their belt standing at a promotion sponsored by the club. Dr. Look, faculty advisor, was always generous with his time and services.

ACM—FRONT ROW: Nolan, L., McBride, G., Treasurer; Hanger, S., Secretary; Clark, L., President; Durand, G., Brunkhorst, M.,

## ACM

The Association for Computing Machinery is a very active national organization engaged in all facets of Computer Science. One of the first to receive a student charter, the chapter on campus has expanded to a membership of 70 students this year. With a common interest in the computing field, the members met monthly to hear speakers lecture on current trends and careers in Computer Science. During this school year, the chapter has sponsored several activities which include a short key-punch course, formation of an honor society for Computer Science majors, the presentation of an award for best computer-oriented project in the South Central Missouri Science Fair, and a summer employment program for Computer Science majors.

Montague, E., ROW 2: Kielar, G., Fuller, C., Bender, J., Schneider, R., Kassing, M., Pelger, T., Matthews, B.







RUSSIAN CLUB—FRONT ROW: Walker, J., Hanger, S., Vice-President; Lucas, G., Secretary-Treasurer; Calfee, K., Law, D., ROW 2:

Koehler, R., Carmichael, D., Blocher, A., Simonsen.

## Russian Club

This past year the UMR Russian Club, in order to promote more accurate usage of the language, enjoyed learning Russian songs. The club also sponsored Russian films and guest speakers. The highlight of the year was the club's participation in the regional language fair held in Rolla. The members were also exposed to many aspects of the Russian culture.

## AEG

This past year was the first full year for the Association of Engineering Geologists on campus, and it has been a very successful year. Membership was increased and several interesting speakers were presented. The association of Engineering Geologists also sponsored a field trip to the Arkansas operations of Union Carbide and Reynolds Metals, and is looking forward to an even more successful year next year.

AEG—FRONT ROW: Ellis, M., 1st Vice-President; Wampler, S., 2nd Vice-President; Donze, T., President; Cannon, J., Peters, J.,

ROW 2: Schneider, Secretary; Collings, J., Hempler, R.







ASME—FRONT ROW: Miesner, S., Bitter, B., Kasten, B., Vice President; Brunkhorst, S., President; Koerner, R., Vice-President of Membership; Galkins, G., Secretary; Clifton, B., ROW 2: Kreutz,

B., Sherwood, R., Loveall, J., Brune, K., Zelch, J., Moder, M., Holdener, D., ROW 3: Rooney, M., Latty, C., Phillips, J., Pelech, C., Belsha, P., Alinder, L., Skelly, J., Schnaare, S., Quinlisk, R.

## ASME

The variety of applications relating to the field of Mechanical Engineering provided for another year of informative and interesting programs for the local chapter of the American Society of Mechanical Engineers during 1969-70. The agenda of speakers and films at the regular student section meetings in Rolla was supplemented by a variety of field trips to manufacturing and production plants in the St. Louis area and also by several joint meetings with the St. Louis section of A.S.M.E. The student section of A.S.M.E. acquainted its members with the practical aspects of Mechanical Engineering as well as the latest developments and innovations in the engineering world.

AICHE—FRONT ROW: Peoples, V., Grice, H., Counselor; Onstad, J., Fitzgerald, R., Treasurer; Schwanke, C., President; Matoesian, D., Vice-President; Sandella, M., Secretary; Bushnell, J., Grotefendt, R., ROW 2: Young, T., Conrad, M., Bland, G., Majors, S., McCormick,

## AICHE

The AICHE on the UMR campus was involved in varied activities this year. Its regular meetings featured speakers from different branches of industry in which chemical engineers are utilized. They informed the chapter of the advances and achievements in the chemical sciences. Other activities during the school year were the outings, the scholastic awards to the chemical engineering sophomore and junior with the highest scholastic standing, and the presentation of awards to the best science fair projects relating to chemical engineering at the annual science fair held in the spring. Again this year the chapter participated in the Arkansas Student Chapter Regional Conference, which was held at UMC.

L., Greco, M., Haiducek, B., Close, S., Crank, D., ROW 3: Ashby, K., Murray, C., Campbell, J., Calvin, S., Taylor, P., Kess, R., Witthar, S., Butch, D.







AMERICAN CERAMIC SOCIETY—FRONT ROW: Finkelstein, M., Orcutt, R., Secretary; Logan, V., President; Portnoff, N., Vice-

President; Gaus, R., Treasurer; ROW 2: Jerden, W., Stubbs, J., Vandenberg, M., Korkland, H., Tyler, D., Schlef, C., Tietze, W.

## ACS

The American Ceramic Society, a national organization of educators, engineers, and students dedicated to the promotion of science and engineering with respect to ceramics and its related industries, featured monthly meetings with speakers from the glass, whiteware, and refractory industries, as well as a field trip in each of the two semesters to some of Missouri's Ceramic industries. In less academic times, the American Ceramic Society showed its spirit by building stronger ties between the faculty and the undergraduate students by featuring a basketball game between the faculty and the undergraduate students in the winter semester, and the annual softball game and outing in the spring semester.

SOCIETY OF PHYSICS STUDENTS—FRONT ROW: Meir, D., Webber, T., Carmichael, D., Vice-President; Anderson, B., Secretary-

## SPS

The Society of Physics Students was founded for the purpose of advancing and promoting individual endeavor in the general field of physics on the part of the undergraduate student. The society helped coordinate students in their pursuit to appease their natural curiosity. In addition, the society undertook service projects for the physics department, had noted guest speakers, and sponsored various social events for the enjoyment of the members. This year saw several projects taken on by members of the society. One of these was an extensive study of radio and optical astronomy by the New Astronomy Section, the ultimate goal of which is establishing a UMR observatory for the students and faculty.

Treasurer; Howell, S., ROW 2: Taylor, M., Bolt, M., Dobson, L., President; Pitt, S., Goldammer, S.







ASCE—FRONT ROW: Branham, J., Juneau, C., Correspondence Secretary; Brewer, L., Gayer, J., Secretary; Lynch, D., Treasurer; Spiry, M., Habegger, R., Sherwood, G., Sanders, D., ROW 2: Gary, H., Muniz, R., Rush, S., Welsh, P., Korth, M., Mouser, G., Pickell, M.,

Sodnammoc, W., Freese, T., ROW 3: Olusanya, O., Grana, D., Garrett, J., Freese, K., Krammer, J., Barnes, W., Friese, M., Powell, R., ROW 4: Haley, J., Shepard, J., Berkel, E., Stephenson, M., Bachmann, G., Adams, G., Whitford, J., Heck, G.

## ASCE

The American Society of Civil Engineers expanded its membership to over 300 members this year, making it one of the largest professional organizations on campus. Measures of its success in providing a comprehensive coverage of the field of Civil Engineering was indicated by its placing first in the exhibits contest at the annual UMR University Day. The ASCE also provided a well-written and comprehensive newsletter, the "Survey," for each of its members. A tour of the Anheuser Busch Brewery and Busch Memorial Stadium in St. Louis was one of the highlights of the year. Other activities included the regular Spring outing and hearing many different and informative guest speakers.

IEEE—FRONT ROW: Taylor, R., Vice-Chairman, Jones, P., Secretary, Schneider, D., Chairman, Hyman, W., Barczewski, D., ROW 2: Weidler, G., Werner, K., Howell, S., Dean L., Plank, D., Forbeck, J.,

## IEEE

The Rolla Chapter of the Institute of Electrical and Electronics Engineers remained active in both local and national activities. Representatives of the Rolla Chapter competed in the IEEE Papers Contest and attended the sectional meeting in St. Louis, the National Electronics Conference in Chicago, and the Southwest IEEE Convention in Dallas, Texas. The Rolla IEEE sponsored tours of Monsanto, Western Electric, and other industries. The Rolla Student Branch enabled its members to hear outstanding programs on the latest developments in the fields of electricity and electronics. These informative monthly programs were presented by representatives from such companies as Delco Radio, Southwestern Bell, and the Tennessee Valley Authority.

Doutt, T., ROW 3: Stevens, D., Bene, D., Simmons, J., Davis, S., Intag, C., Parkes, R. Ditty, P.







AIAA—FRONT ROW: Selberg, B., Advisor; Cain, G., Eppestine, D., Vice-Chairman; Mirly, K., Chairman; Newberry, A., Secretary; Blair, C., Treasurer; Stettler, L., ROW 2: Cooper, L., Gentry, K., Clifton,

B., Perez, H., Gaines, H., Toth, B., Danner, T., Durham, V., ROW 3: Richardson, A., Olson, E., Maune, D.

## AIAA

The UMR branch of the American Institute of Aeronautics and Astronautics has grown to be one of the largest AIAA student branches in the United States. The University of Missouri-Rolla chapter endeavored to keep abreast of current happenings in space and in the aeronautical world through presentations from prominent individuals in the aerospace industry, field trips to industrial and governmental installations, and participation in student paper conferences. Other current branch activities included the design and construction of a ground effects machine which rides on a cushion of air, and a rocket test site for the testing and launching of solid fuel rockets built by the branch members.

SAE—FRONT ROW: Alinder, L., Holdener, D., DeVries, W., Secretary, Johnson, K., President, Latal, D., Moder, M., St. Clair, J., ROW 2: Olusanya, O., Zelch, J., Herbold, J., Kelley, J., Altrup, G.,

## SAE

The Student Branch of the Society of Automotive Engineers again earned the distinction of being the world's largest S.A.E. Student Branch, as well as the largest professional society at UMR, with a membership of 320. For continuing its program of activities, including field trips, car clinics, and technical programs featuring speakers from the automotive industry, the UMR Student Branch received an "Outstanding Student Branch" award for the fifth time. As in 1969, the Student Branch sent several of its members to present an exhibit at the S.A.E. Automotive Exposition in Detroit. For the second year in a row, a member of the Student Branch won the Outstanding Student Award of the St. Louis Section of the Society of Automotive Engineers.

Brune, K., Falkenheim, D., Skosey, G., ROW 3: Rooney, M., Howell, S., Latty, C., Phillips, J., Maty, R., Loeffelman, A., Payne, J., Hardy, G., Forbeck, J.







AIME—FRONT ROW: Hobbs, W., Beck, W., Weiss, D., Treasurer; Teisa, E., Secretary; Moore, J., ROW 2: Roth, A., Gaston, C., Stubblefield, R., Webber, G.

## A.I.M.E.

This year the Society of Mining Engineers of A.I.M.E. provided opportunities for its members to expand their knowledge of the mining field and to promote the mining industry as a whole. The Mining Engineers presented an exhibit and sponsored a lecture for the Environmental Week program. In addition, the organization provided field trips to several different mining operations, and a trip to the 99th Annual A.I.M.E. Convention in Denver, Colorado. A.I.M.E. also sponsored technical programs featuring guest speakers from the U.S. Bureau of Mines and several prominent mining companies. A spring outing helped to further the relationship between the faculty and the undergraduate student body.

SOCIETY OF PETROLEUM ENGINEERS—FRONT ROW: Byer, J., Dockery, C., Secretary; Schwager, J., President; Wright, S., Treasurer; Praznik, G., Vice-President; ROW 2: Singh, K., Schwager, T.,

## SPE

The Society of Petroleum Engineers, a professional organization that serves to acquaint its members with the development and advancement of the Petroleum industry, undertook field trips to Jacksonville, Illinois, and New Orleans, Louisiana. At Jacksonville they visited a gas storage plant, and at New Orleans an offshore production operation. Student papers, films, guest speakers, and a fine relationship between the students and faculty proved to be the key to the success of the SPE. Through these programs and its many other activities the SPE has been able to keep its members abreast of the many new concepts in the ever changing and dynamic oil industry.

Thompson, E., Warner, L., Wagner, T., Di Lizio, S., ROW 3: Brown, R., Koederitz, L., Advisor; Henry, R., Guharoy, P., Honarpour, M.







AMERICAN FOUNDRYMEN'S SOCIETY—FRONT ROW: Fox, J., Vice-President; Hohenberger, F., President; Blankenship, K., Secre-

tary-Treasurer; ROW 2: Heck, G., Hammann, K., Etzenhouser, R.

## AFS

The American Foundrymen's Society had a very active year. At their monthly meetings, speakers from all phases of the Metallurgy field gave the members a better idea of the things that were new in their field. The AFS was represented at the Annual AFS Convention in Detroit by Fred Hohenberger and Professor Robert Wolf. Fred brought back to the members many new ideas concerning metallurgy and new projects that the AFS can undertake. The AFS also sponsored an award to be given to the student who came up with something new in the field of Foundry Engineering. Along with the members of the Metallurgy Society the AFS sponsored an outing for the faculty.

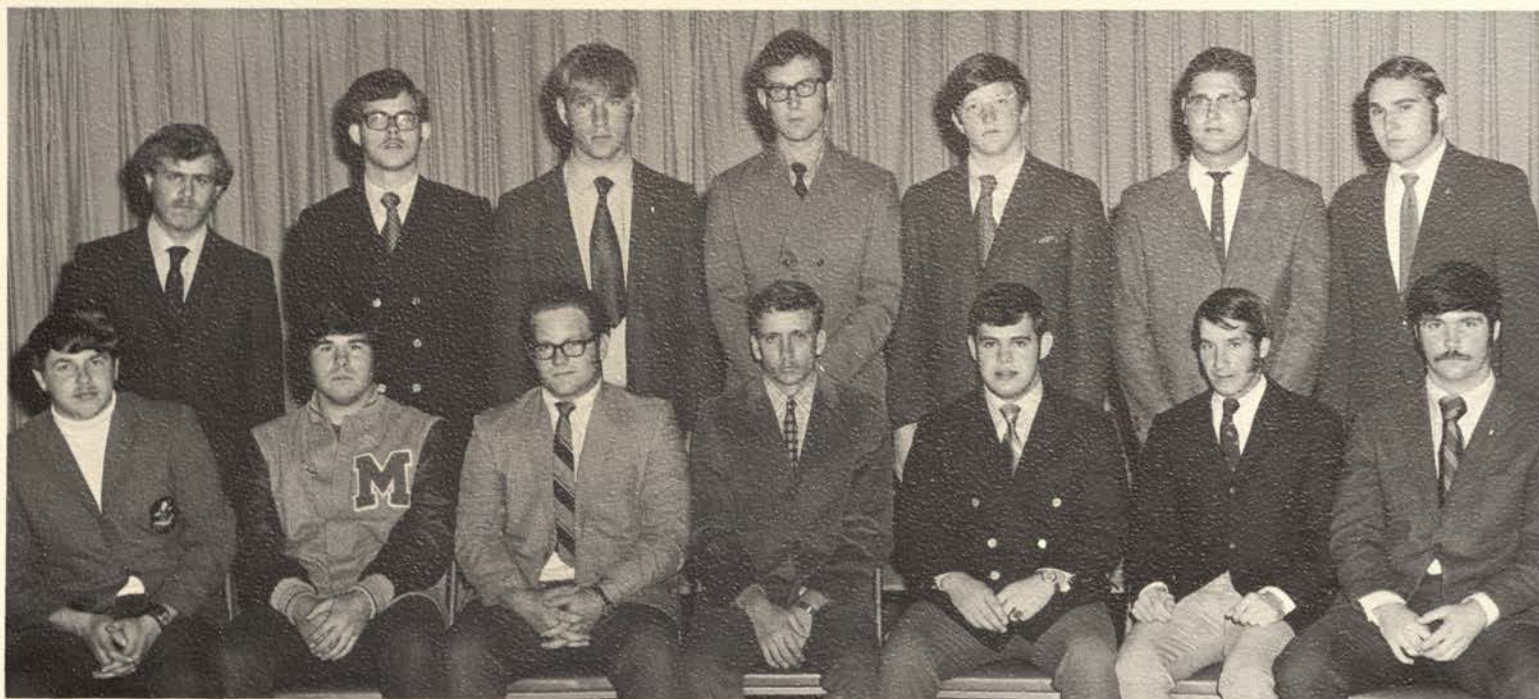
AMERICAN NUCLEAR SOCIETY—FRONT ROW: Hammann, K., Bruni, J., Etzenhouser, R., ROW 2: Welsch, W., Tyner, C., McBride, M.

## ANS

The UMR chapter of the American Nuclear Society served its more than thirty-five members this year by promoting the newly emerging field of nuclear engineering and providing an opportunity for its members to attain an increased practical knowledge of the nuclear field. The Rolla chapter was able to accomplish these goals by providing a variety of interesting and current speakers and films from the Atomic Energy Commission at its regular monthly business meetings in both the Spring and Fall semesters. In addition, the Rolla chapter was chosen to host the American Nuclear Society Mid-American Student Conference, where students of all degree levels present their research papers.







RUGBY CLUB—FRONT ROW: Weber, C., Ripley, D., Buckner, J., Riege, J., President; Schweigert, K., Treasurer; Rupp, M., Erman, D.,

ROW 2: Himes, L., Cummings, J., Schneider, E., Appleton, J., Davis, J., Leuschke, G., Ferguson, T.

## Rugby Club

The Student Council-sponsored UMR Rugby Club entered its seventh season of competition this year. One significant change is that the Ruggers played as an associate club in the Midwest Rugby Union, pending fall membership after a trial period of one year. The Midwest Rugby Union offers competition with more than thirty member clubs, such as Notre Dame, Purdue, and Northwestern. The members of the Club were proud to welcome a new advisor this year. Dr. R. D. Rocke, an ex-Cal Tech rugger and a member of the Mechanical Engineering Department. This past season was highlighted by the Club's victory over the semi-professional K. C. Rugby Club, and its annual trip to the Mardi Gras Tournament.

SOCCER CLUB—FRONT ROW: Pariani, G., Knoll, P., Schob, T., President; Kremer, J., Treasurer; Bergtholdt, S., Secretary; ROW 2: Zimmerman, R., Gazioglu, S., Kostic, D., Teske, D., Allen, D., Stefan-

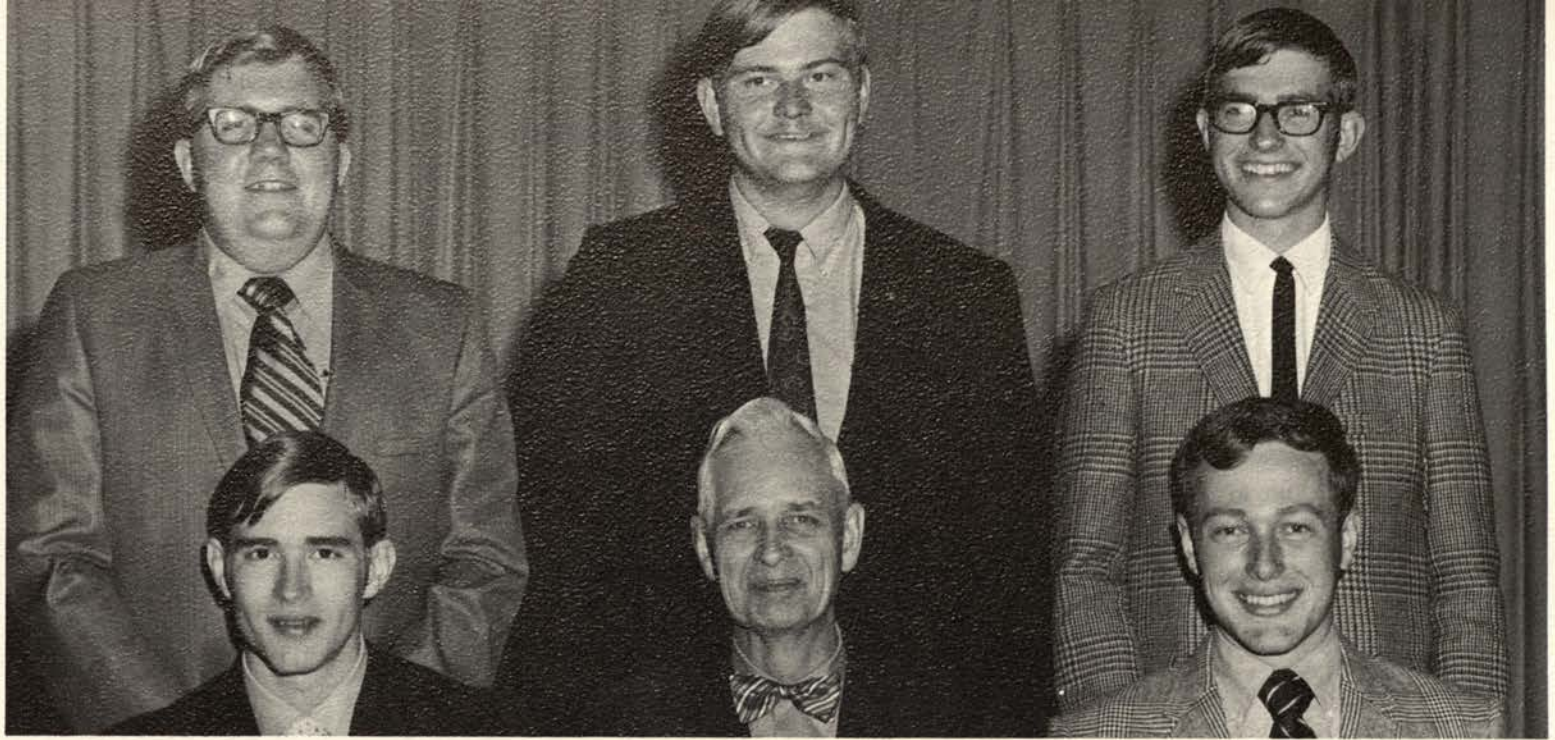
sky, T., ROW 3: Meier, T., Howard, B., Ruhland, M., Pelech, C., Wichlinski, T., Higley, M.

## Soccer Club

The Soccer team was undefeated in four games this year. Included in these games were victories over the University of Missouri at Columbia and Lincoln University in Jefferson City. The UMR Soccer Club boasts many excellent players from the St. Louis area, as well as a number of fine athletes from foreign countries. The Soccer Club ultimately hopes to make soccer a varsity sport at the Rolla campus.







FORENSIC SOCIETY—FRONT ROW: Murray, C., Vice-President; Brewer, J., Advisor; Monk, M., President; ROW 2: Heck, G., Randall, R., Secretary; Toombs, H., Treasurer.

## Forensic Society

The UMR Forensic Society has set about attaining the goal of providing the engineering student with the opportunity to develop and strengthen his oratory skills. Activity of the Forensic Society has been in inter-collegiate debate where they represented UMR at several tournaments in the states of Missouri, Kansas, and Illinois. In addition to participation in debate, the Forensic Society encouraged members to compete in dramatic interpretation, poetry, reading, and extemporaneous speaking.

## Metallurgy Society

Throughout the school year a number of field trips were taken by the Metallurgy Society of AIME. Among the most interesting was a trip to the Missouri Mining District, where the members viewed various applications of metallurgy. Also this year, a number of lectures were given by a variety of outstanding engineers. In the spring, as in the past, the society held a research writing contest on various aspects of metallurgy, and a number of large cash prizes were given to the students composing the best papers. A spring outing was held with the members of the Metallurgy Department.

METALLURGY SOCIETY—FRONT ROW: Graham, R., 1st Vice-President; Etzenhouser, R., 2nd Vice-President; Steckel, G.,

President; Ballantyne, D., Merwin, J., ROW 2: Ahmad, A., Ripplinger, D., Krishna.







RADIO CLUB—FRONT ROW: Nau, R., Advisor: Webb, T., White, C., Secretary; McWilliams, L., President; Becker, K., Vice-President; Jackson, H., Treasurer; Bondurant, D., ROW 2: Dreinhoefer, L.,

Lamano, L., Susanj, J., Webber, T., Johnney, G., Young, S., Nau, D., ROW 3: Douth, T., Cambier, J., Schmidt, B., Callahan, D., Epresi, T., Adkins, B., Durbin, R.

## Radio Club

Public service and personal pleasure were the objects of the forty members of the UMR Radio Club this year. A remodeled "shack" in the basement of the Rolla Building housed the matched set of station equipment which was completed during the fall semester. Public service activities were directed toward UMR students and Rolla residents in the form of a message service to and from many states and several foreign countries, including Vietnam. For their own enjoyment, licensed members participated in world-wide communications contests, or attempted to contact amateurs in remote parts of the world.

PSYCHOLOGY CLUB—FRONT ROW: Wollard, L., Siebels, J., Makinin, R., President; Crecelius, R., Vice President; Collier, T.,

This year, the Psychology Club has been active in affairs dealing with the behavioral science. Most of the club's members were psychology majors but it was open to any person interested in learning more about psychology and its related fields. A trip was taken to the mental hospital in Fulton, and a trip into the maximum security section of the hospital proved to be very informative. More trips were planned for next year to enable members to become more familiar with today's mental problems.

ROW 2: Day, J., Scott, M., Hinkle, S., Sherman, G., Harlan, G., Lloyd, M., Whitten, R.







PHILOSOPHY CLUB—FRONT ROW: Garrett, J., Secretary; Sample, S., Edwards, D., President; Wollard, L., Mason, J., Vice-President; ROW 2: Hinkle, S., Makinen, R., Lloyd, M.

## Philosophy Club

The University of Missouri-Rolla Philosophy Club has experienced an exceptional school year. The organization has presented programs ranging from Nietzsche's "Discussion of Nihilism" to Oakes' analysis of the "Meaninglessness of Noncognitive Statements." These lectures which were open to the public were attended by a large proportion of the members of the organization. In addition, for the third consecutive year, the group won the Best Philosophy Club on Campus Award.

PHOTO CLUB—FRONT ROW: Schlef, C., Dark Room Custodian; Hasselfeld, D., President; Trnka, W., Secretary-Treasurer; ROW 2: Sidelwik, R., Butler, J., Kistler, R.

## Photo Club

The UMR Photo Club was established in order to further an interest in amateur photography and to present the members with helpful information and new ideas about the various phases of photography in which they are interested. The regular monthly meetings included movies and occasional guest speakers on topics of interest to members. The club maintained two darkrooms in the basement of the Rolla Building for members' use. In the Spring the Photo Club sponsored its annual photo contest which is open to anyone interested in photography. This year the winning photos were displayed in the Student Union.







UMR DAMES—FRONT ROW: Carr, C., Shepard, B., Recording Secretary, Thompson, M., Treasurer; Russell, S., First Vice-President; Neal, R., Second Vice-President; Scheffel, J., Lorey, G., Advisor; Bhatt, N., Bachmann, D., ROW 2: Hausman, J., Biermann, C., Williams, N., Yount, K., Vincent, S., Maty, N., Halpern, J., Leach, P.,

Cramer, L., Beaty, D., Crangle, A., ROW 3: Gerlitz, G., Reineke, J., Bruce, C., Torgeson, G., Rooney, R., Kuenzel, S., Conner, C., Frederick, L., Latty, V., Schatte, T., Waskow, R., ROW 4: Reifel, J., Bade, E., Sidelnik, J., Smyka, C., Lynch, W., Becker, B., Nelson, J. Myers, E., Kunkel, K., Potter, C.

## UMR Dames

An enthusiastic group of officers led the UMR Chapter of University Dames through one of its most progressive years. During the Fall semester six Marriage and Family Living Seminars for UMR married students were sponsored by the Dames. Meetings were held monthly and a number of family social events were sponsored. Highlights of the year included banquets in January and May to honor wives of graduating students. Each "graduate" was awarded a "PHT" (Putting Hubby Through) certificate for her supporting efforts. Eight scholarships were offered during the year to assist members seeking higher education.

## Society of Women Engineers

The Society of Women Engineers is a national professional organization open to women and women students in engineering and physical sciences. This year, the Rolla Chapter of the Society of Women Engineers assisted with Parents Day in the fall and held initiation of new members in the spring. In addition, the Society of Women Engineers actively participated in several campus and community projects.

SOCIETY OF WOMEN ENGINEERS—FRONT ROW: Bronson, B., Onstad, J., Stettler, L., Vice-President; Brunkhorst, M., President; Hardwick, C., Glick, L., Secretary-Treasurer; ROW 2: Hahn, P.,

Grimm, B., Durand, G., Kennedy, B., Evers, M., Litteken, S., Sanders, D.







C. L. DAKE GEOLOGICAL SOCIETY—FRONT ROW: Moore, J., Zambon, E., Zogg, W., President; Camon, J., Secretary-Treasurer; Trancynger, T., ROW 2: Hailey, J., Prissofsky, A., Smith, G., Collins,

W., Williams, A., Gorske, D., ROW 3: Kuharic, C., Collings, J., Lalish, G., Coen, L., Nuelle, L., Livingston, E.

## C. L. Dake Geological Society

With a prime purpose of promoting interest in the geologic sciences, the C.L. Dake Geological Society was an active organization in the Geology Department. The organization sponsored a fall departmental mixer, as well as a Christmas party and a spring outing oriented toward the faculty and students alike. Throughout the year numerous field trips, rock auctions, and mineral exhibits gained statewide recognition for the society. With a membership of thirty to forty students, the society has succeeded in providing several programs designed to increase the practical geology experience of its members. In addition, the club provided a convenient medium to improve student-faculty relations.

W. T. SCHRENK SOCIETY—FRONT ROW: Tappmeyer, W., Advisor; McDonald, H., Advisor; Langemach, C., Henson, J., Secretary-Treasurer; Lutz, D., President; Swoboda, A., Craig, B., ROW 2:

## W. T. Schrenk Chemical Society

The W. T. Schrenk Chemical Society was dedicated to promoting interaction between the faculty and students of the Chemistry Department, encouraging fellowship among the students of the department, and providing its members with a broader chemistry background than is received in the classroom alone. The Society served UMR by presenting demonstrations on University Day last fall. Social activities, aside from the regular monthly meetings, included spring and fall outings at which the members of the department got better acquainted.

Wilson, L., Butner, M., Tacchi, K., Meyer, R., Wroblewski, J., Howell, J., Kessler, R.







COLLEGE YOUNG REPUBLICANS—FRONT ROW: Krasik, H., Burke, Vice-President; Cameron, R., Chairman; Heck, G., Treasurer;

Spitzmiller, J., ROW 2: Parker, B., Barczewski, D., Garrett, J.

## CYR

The UMR-CYR's were involved in many activities during the 1969-70 school year. By distributing red, white, and blue armbands and lapel ribbons, they countered Vietnam Moratorium activities. They also collected over 700 signatures in support of President Nixon's efforts to attain peace in Vietnam. This year, for the first time, the Missouri Intercollegiate Student Legislature District Convention was held on the UMR campus. Members also attended the CYR State Convention in St. Louis and were represented in the MISL General Assembly held in the House and Senate chambers of the Capitol in Jefferson City. Also, groundwork was laid for participation in the 1970 elections by having speakers from the GOP.

## CYD

The College Young Democrats had a very eventful year, in a time when there was much student unrest. The CYD were very active during the Moratorium demonstrations and also distributed black arm bands. They also circulated a petition protesting the U.S.'s involvement in Vietnam. The College Young Democrats also sponsored a lecture by Senator Thomas Eagleton. They presented to Senator Eagleton the petition that they had circulated. CYD was also very active in the Missouri Intercollegiate Student Legislature District Convention which was held in Rolla for the first time. The CYD was also represented in the MISL General Assembly held in Jefferson City.

COLLEGE YOUNG DEMOCRATS—FRONT ROW: Pattiz, P., Brody, S., Auerbach, J., Gold, R., Simon, D., President; Condon, J., Vice

President; Eyermann, T., Treasurer; ROW 2: McJimsey, E., Garrigan, P., Schuber, S., Hegel, J., Hansel, K., Lyons, E., Platto, J.







ROCK CLIMBING CLUB—FRONT ROW: Williams, A., Doremus, M., Secretary; Reel, D., President; Kratschmer, E., Vice President;

Mullenix, P., ROW 2: Erdmann, F., Himes, L., Hill, J., Riege, J., Heintz, P.

## Rock Climbing Club

The dangers and thrills of climbing 150-foot sheer cliffs again proved exciting to the members of the University of Missouri at Rolla Rock Climbing Club this year. Clinging to the rock only by much skill, muscle, and many quick prayers, the seventeen members of the Rock Climbing Club enjoyed many weekend climbing trips to nearby cliffs. The fall semester was highlighted by a trip to the Wichita Mountains in Oklahoma. With these climbing trips and additional instructional sessions, the Rock Climbing Club expanded its membership and provided members with a chance to improve their climbing techniques. Through its record of safe climbing, the Rock Climbing Club once again achieved its goal of promoting rock climbing on the Rolla campus.

SPELUNKER'S CLUB—FRONT ROW: Lissant, K., Collins, W., Secretary-Treasurer; Williams, A., President; Zambon, E., Vice President; Krehbiel, S., ROW 2: Hiatt, J., Zogg, W., Hailey, J., Erd-

## Spelunkers

The membership of the Spelunkers Club was around fifty and represented quite a few of the departments on campus. The activities of the club members covered a variety of interests. These consisted of pure cave exploration, cave mapping, research on cave development. In addition, research on cave life, cave photography, vertical caving, and every so often a cave rescue added to the varied events of the Spelunkers.

mann, F., Heintz, P., Price, J., ROW 3: Nuelle, L., Meyer, R., Kratschmer, E., Johnson, D.







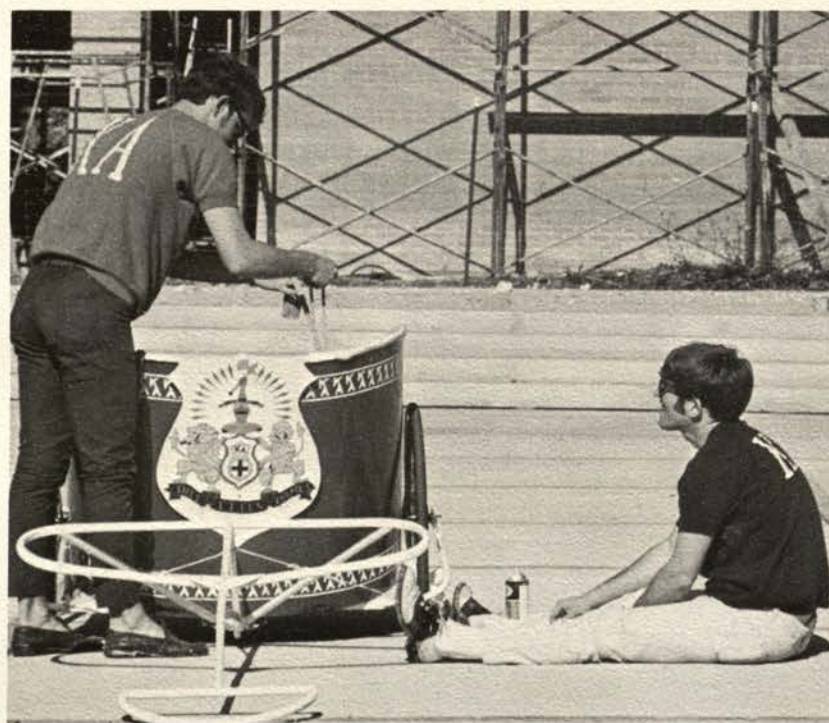
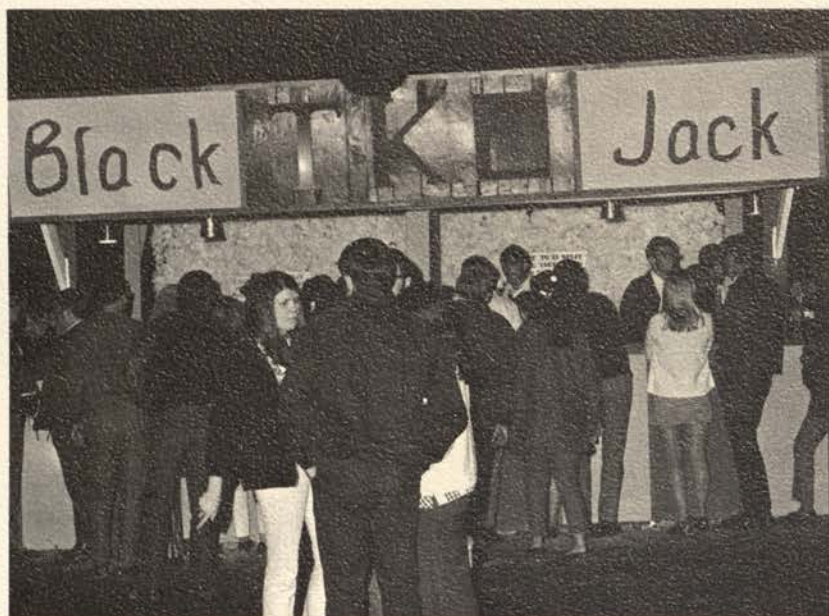




# Living Units









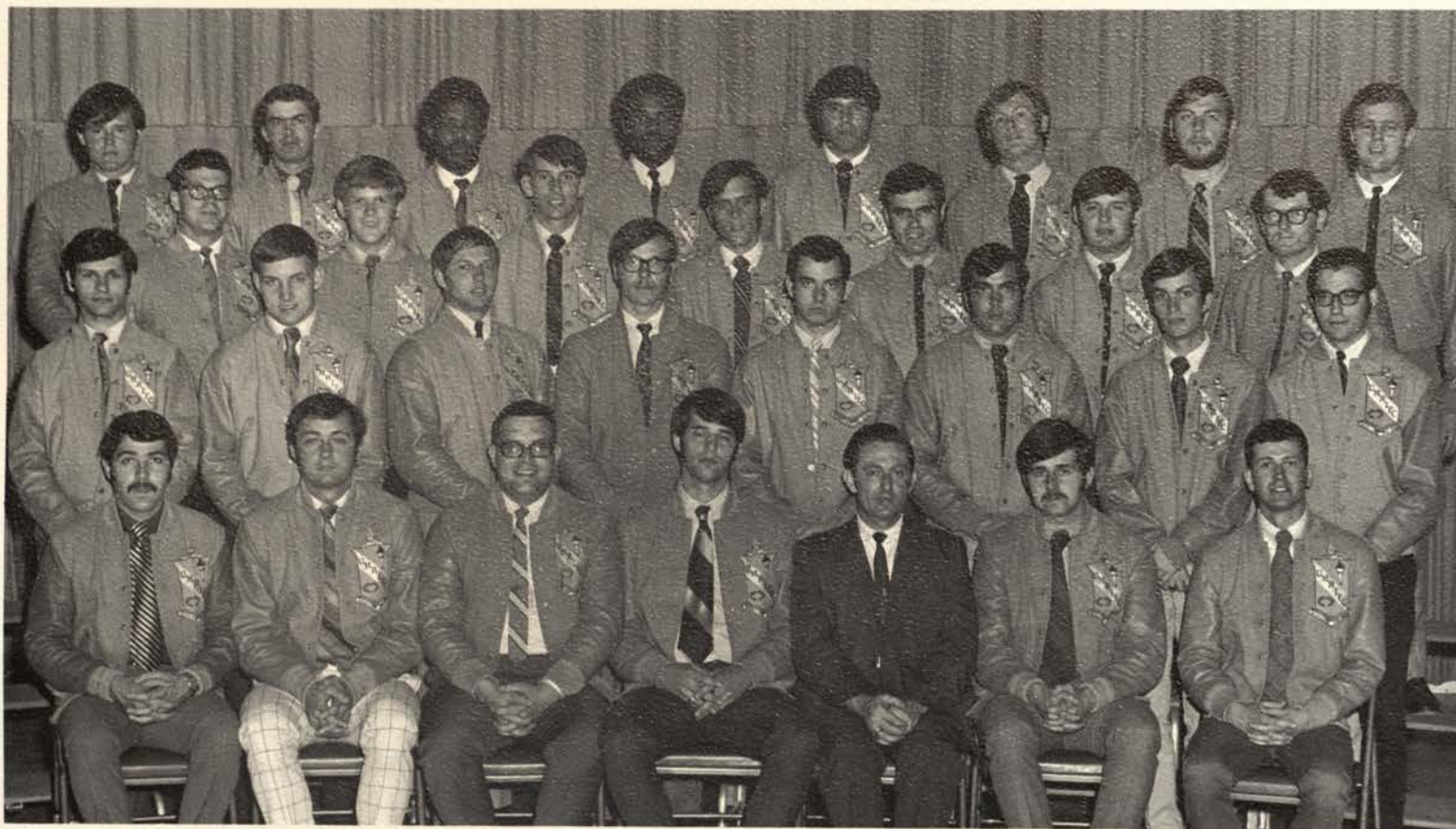


## Fraternities

Acacia revamps rush and pledge program. . . . A E Pi moves into new house on Fraternity Row. . . . Alpha Phi Alpha's Frank Winfield named All-American. . . . Beta Sig named number one chapter in the nation. . . . Randy Richards of Delta Sig serves as President of Student Union Board. . . . Delta Tau Delta provides service to disaster victims in St. Louis housing project. . . . K A takes intramural wrestling for third consecutive year. . . . Kappa Sig takes Homecoming display trophy. . . . Lambda Chi ties for first in overall Greek Week competition. . . . Phi Kap wins intramural football and volleyball titles. . . . Pikers are selected as the number two chapter in the nation. . . . Pi Kaps complete twenty-man annex. . . . Sigma Nu hosts Christmas party for local underprivileged children. . . . Sig Ep makes preparations to move into new home. . . . Sigma Pi builds the Queen's float for the 1970 St. Pat's parade. . . . Sig Tau announces preparation of formal plans for new home. . . . Eric Dunning of TKE serves as St. Pat 1970. . . . Theta Chi organizes building fund . . . . Theta Xi increases membership and remodels house. . . . John Harris of Triangle reigns as Zeus.







IFC—ROW 1: Vicente, T.; Perry, J., Secretary; Cranmer, R., Treasurer; Moehle, C., President; Thompson, L., Advisor; Harris, J., Vice-President; Michel, J.; ROW 2: Wicke, G.; Hellwege, J.; Wiechens, S.; Starky, R.; Llewellyn, D.; Woodlock, M.; Sostman, J.; Scherrer, P.;

ROW 3: Elfrink, M.; Thies, S.; Mueller, K.; Vahle, M.; Conger, G.; Scheibal, L.; Farrell, J.; ROW 4: Hackney, W.; Miera, D.; Nash, Z.; Williams, K.; Elli, M.; Stucker, J.; Bentzinger, R.; Markham, R.



Greeks assembled their chariots in front of the UMR library for judging of the best looking chariot during the Greek Week festivities of 1970.

Carm Moehle, President of the IFC and a member of TKE, addresses a crowd of Greeks in the Student Union Ballroom for the annual IFC banquet.





# IFC puts open rush system into effect

The ever active Inter-Fraternity council labored diligently again this year to produce a list of excellent accomplishments of which it can be proud. The drive for needy people of Rolla, initiated last year by the IFC, was repeated this year, adding a bit more to the Christmases of many with gifts of food, clothing, and money.

The council received a plaque this year in recognition of its many civic-minded activities to include fund drives for the March of Dimes, Muscular Dystrophy, and the United Fund, and the donation of \$2,000 in proceeds of the Greek Week Carnival to the Missouri Boys Town. A special contribution by the IFC was a color television given to the Rolla Diagnostic Clinic.

Again this year, the IFC sponsored the traditional pajama race which highlighted the pre-game activities of the Homecoming game. The Homecoming Decorations Contest was also arranged by the IFC.

As far as the Greek World is concerned, the passing of the Open Rush system this year by the IFC was a major step toward improving the fraternity system.



Mary Cox, Lambda Chi's charming candidate, was chosen to reign as Queen of the gods. Here she is seen enjoying the games and the fruit of the vine.



Sitting majestically in the gods' pavilion high atop the slopes of the Elysian Fields, the mighty Zeus proposes a toast to the gods and Greek Week '70.





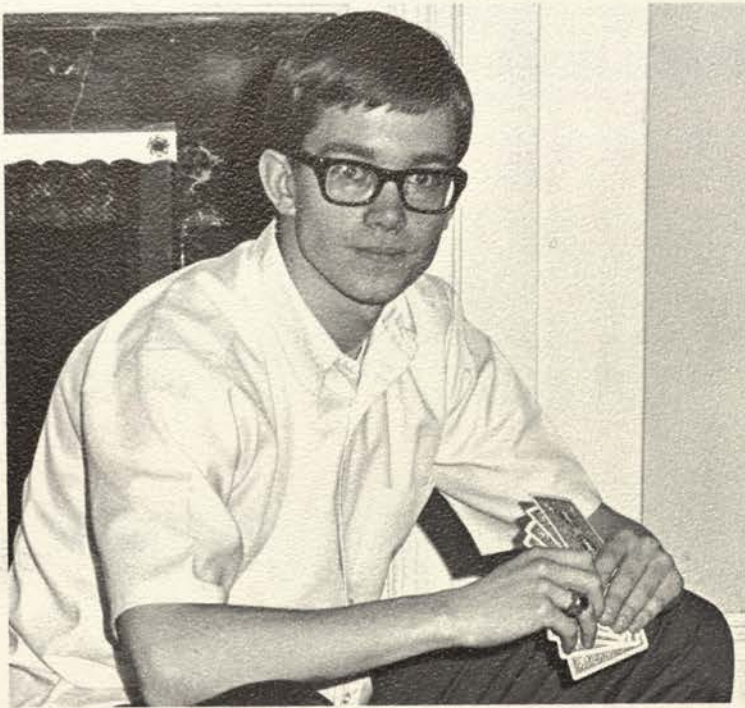
ACACIA—ROW 1: Jackson, A., Secretary; Fehlig, M., Kirmeyer, G., President; Peterson, J., Vice-President; Michel, J., Treasurer; Alcorn, H., Advisor; ROW 2: Rowlett, D., Ludwig, F., Lakebrink, S.,

Vornberg, R., Abeln, D., Freund, R., Newcomer, T., Huck, T., ROW 3: Carver, R., Neumeyer, L., Diltthey, M., Deven, R., Nachtweih, E., Stanfill, G., Waltrip, R., Rottler, R.



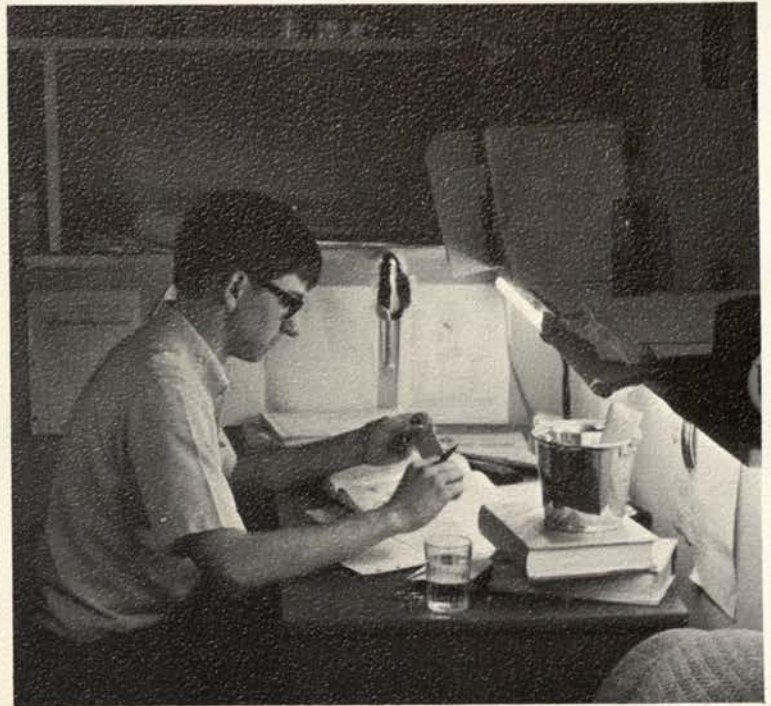
Greg Kirmeyer looks on as Rick Carver enjoys a few minutes of throwing the football around, one of his favorite afternoon pastimes.





With a few minutes to spare in the afternoon, this brother decides to devote some time to practicing for the next IFC Bridge tournament.

Enjoying the use of his trusty sliderule, Mike Edwards seems to frown as he realizes that he must have made an error in his calculations.



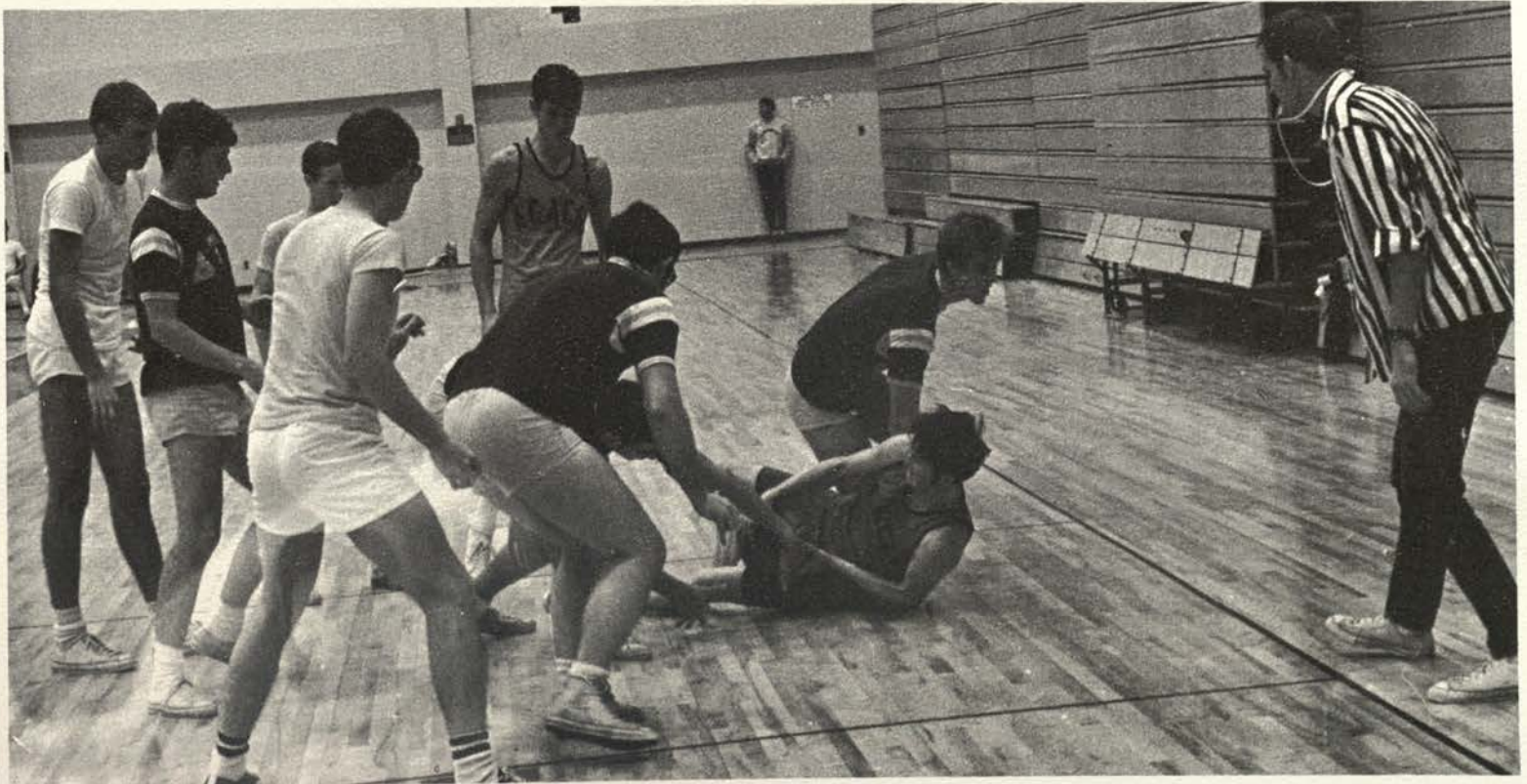
## Acacia revamps rush and pledge program

Acacia entered the school year with great aspirations of increasing its membership in conjunction with future housing plans. To fulfill these hopes the brothers revamped their rush and pledge program with new techniques and ideas. Their efforts proved fruitful in accomplishing their housing plans.

Acacia exemplified their motto "Human Service" by participating in various public services. Because of active participation this past year, they received the first-

place trophy in the APO blood drive. Earlier in the year they petitioned to join Gamma Alpha Delta service fraternity. Through this organization they assisted the underprivileged of St. Louis in Project Assist.

During the past year a new scholarship program was started to fit the needs of the changing campus. To round out their activities the brothers took part in all intramural sports and social functions during the year.



Evidently having something that everybody else wants, this member of the Acacia B-ball five does his best to keep possession of the ball.





Members of Alpha Epsilon Pi give the school football team moral backing and cheer the Miner squad on to another one of its many gridiron victories.

An obviously preoccupied brother finds it very difficult to give the Greek Week festivities his complete, undivided attention.



## Alpha Epsilon Pi moves into new home

After many years of planning and hard work, the Nu Deuteron chapter of Alpha Epsilon Pi is finally living in its new house on Fraternity Row. Though moving into their new home demanded quite a bit of time, the brothers did not slacken in their interest in fraternity and campus activities. The men made a fine showing in most intramurals, especially handball where they placed high in both singles and doubles and in the rifle match in which they were among the top places. The brothers' social calendar was filled, and during the St. Pat's festivities

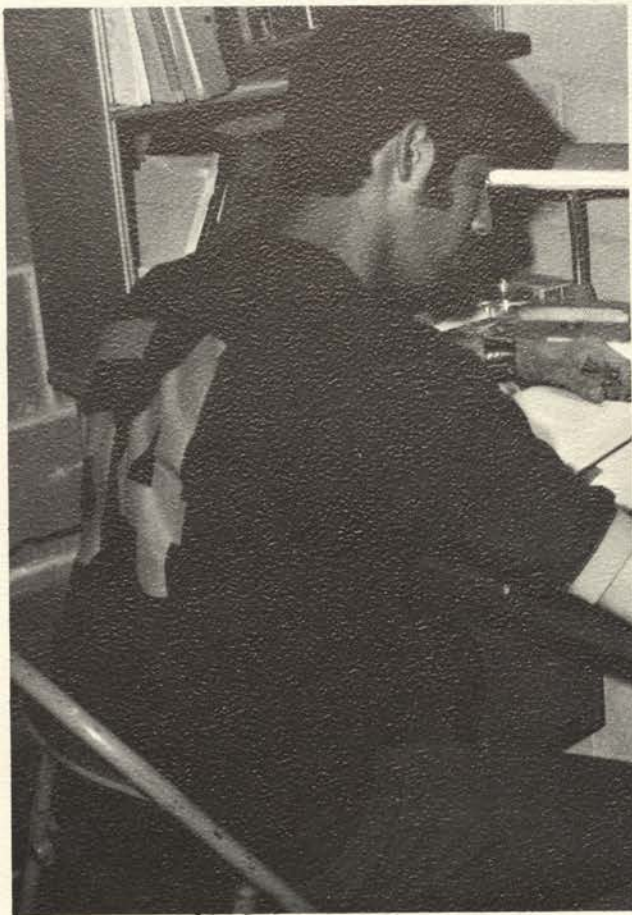
they won the novelty cudgel contest with a portable bar. Because of their hard work on campus, some of the men were elected to the following offices: President, Vice-President, and Secretary of Keramos, Vice-President of Phi Eta Sigma, and Vice-President of Gamma Alpha Delta. They also worked under the direction of Gamma Alpha Delta in building a "vest pocket" in an inner city district of St. Louis, to the delight of local children who are deprived of some of the finer things in life.

ALPHA EPSILON PI—ROW 1: Oppenheim, M., Hoffman, H., Friedman, K., Routburg, M., Denlow, I., Gold, R., Portnoff, N., Kaplan, M., Balaban, T., ROW 2: Canis, W., Galler, W., Gordon, W., Minoff, J., Fadem, C., Bergman, B., Pattiz, P., Schankman, F., Schraier, E., Jolly, S., ROW 3: Fendelman, M., Shatzman, R., Cohen, S., Giler, S., Schwedt,

S., Pearl, B., Foster, K., Katz, M., Auerbach, J., Goldstein, M., Wise, A., ROW 4: Spector, S., Korklan, J., Brody, S., Kohn, D., Schultz, C., Portnoff, L., Schlansky, A., Frohlichman, S., Perez, H. Goldstein, L., Bald, H.





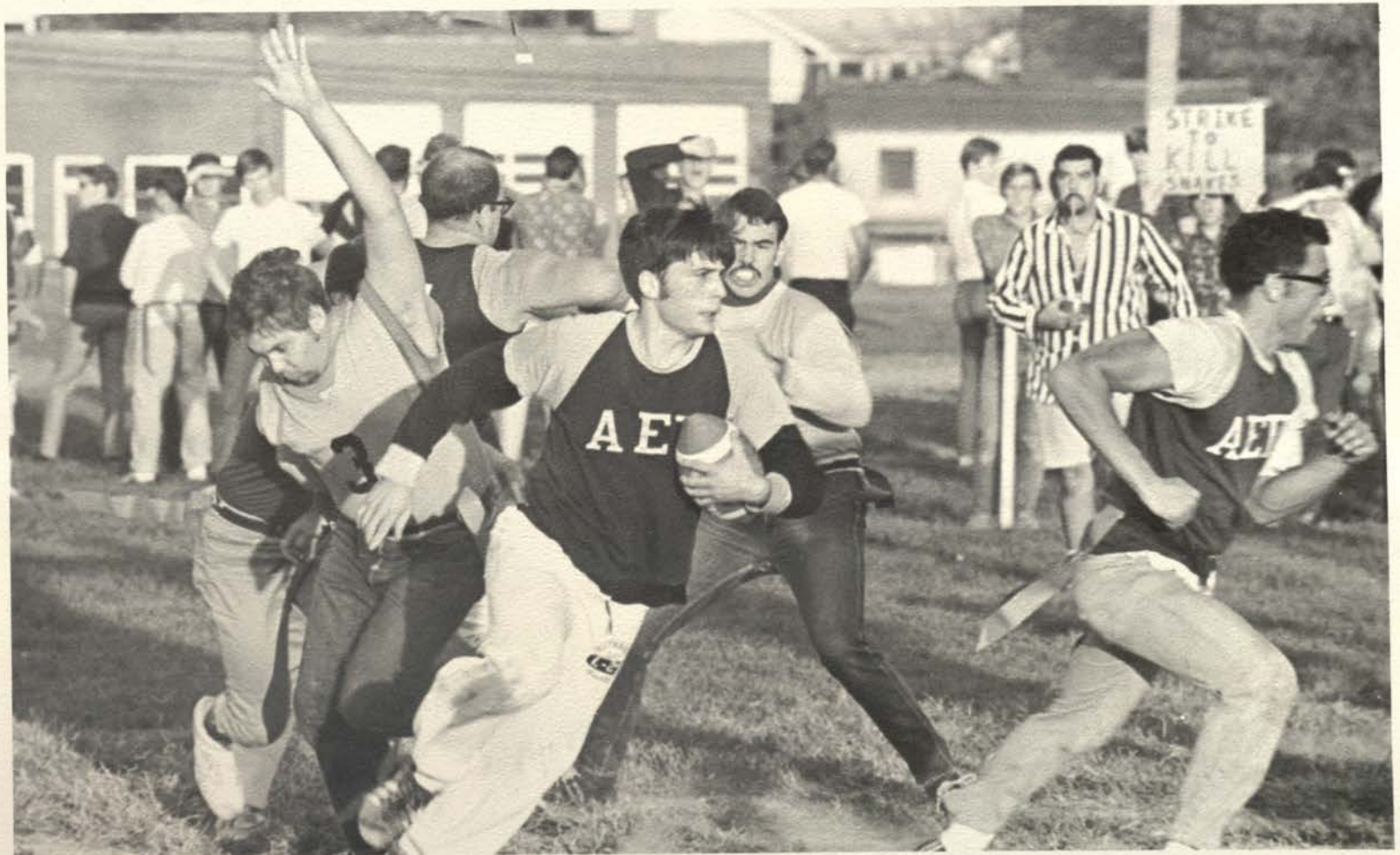


Another member of the bookworm crowd, this A E Pi brother finds wearing his football jersey to be most conducive to studying.

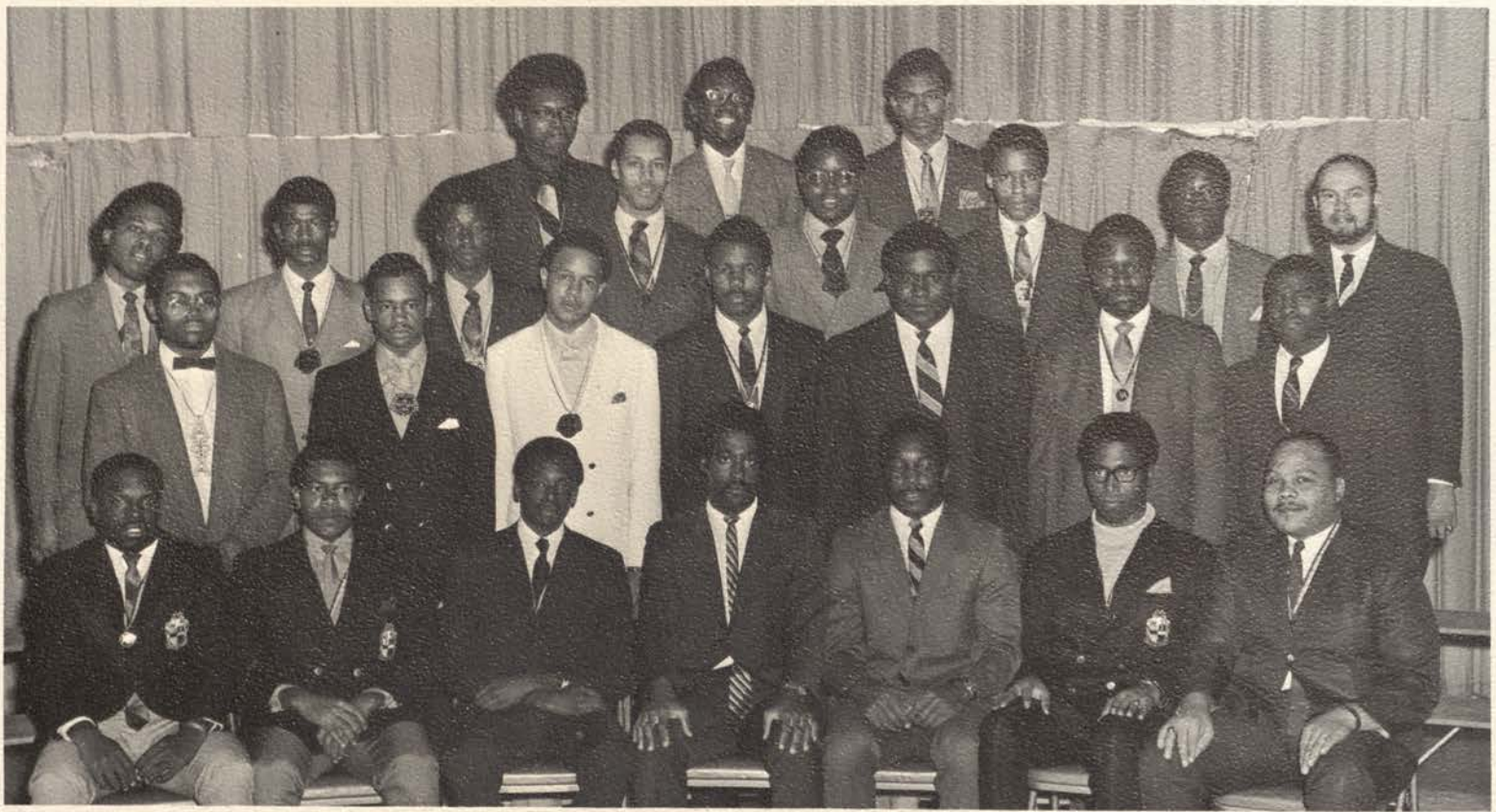
The Alpha Epsilon Pi fall pledge class is seen taking part in one of its various projects that they performed during the course of the first semester of the school year.



With gritting teeth and strained faces, an Alpha Epsilon Pi back scurries down the field to bring his football team within reach of paydirt.







ALPHA PHI ALPHA—ROW 1: Thurman, G., Carr, R., Flye, R., Johnson, R., President; White, F., Vice-President; Morrison, R., Flowers, D., ROW 2: McClain, G., Moore, D., Batt, G., Nash, Z., Win-

field, F., McWilliams, R., Nelson, L., ROW 3: Dixon, V., Love, M., Walton, S., Casteel, C., Terry, J., Wilks, R., Ollie, R., Brown, R., ROW 4: Johnson, B., Hamilton, J., Burch, W.

## Alpha Phi Alpha member named All-American

This past year has been one of marked achievement for the Epsilon Psi chapter of Alpha Phi Alpha on both the national and local levels. During the year the chapter made various trips throughout Missouri, Kansas, and Illinois in an effort to promote unity and brotherhood among the neighboring chapters. Great pride was exemplified when Alpha Phi Alphas were praised as being the first Black collegians to help restore order during a disaster period at the Pruitt-Igoe Housing Project in St. Louis.

Nine members were initiated into the fraternity this

year and have proven very able brothers. By giving of their time graciously and incorporating many of their new and youthful ideas in such principles as scholarship, house policy, and intramurals, the chapter has made many improvements.

Although Alpha Phi Alpha is one of the smaller fraternities on campus, its members have participated in more activities than ever before. Also many of the brothers participated in varsity track, football, and baseball. Alpha Phi Alpha's Frank Winfield was honored during the year by being named to the All American football team.

Alpha Phi Alpha is well represented on the track as brother Ron Johnson here displays his excellent footwork in the hundred-yard dash.

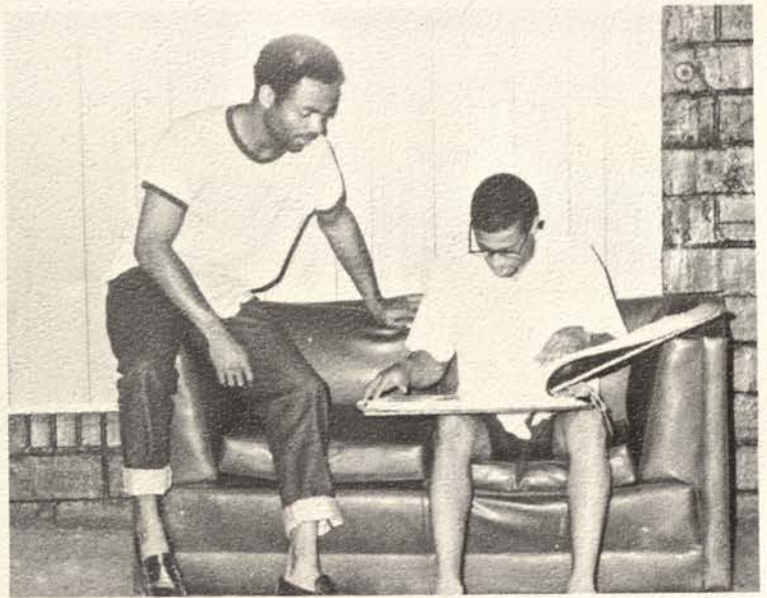






Frank Winfield appears to be going peacefully to be knighted in the 1970 St. Pat's Knighting Ceremony. He submerged with a bit of assistance.

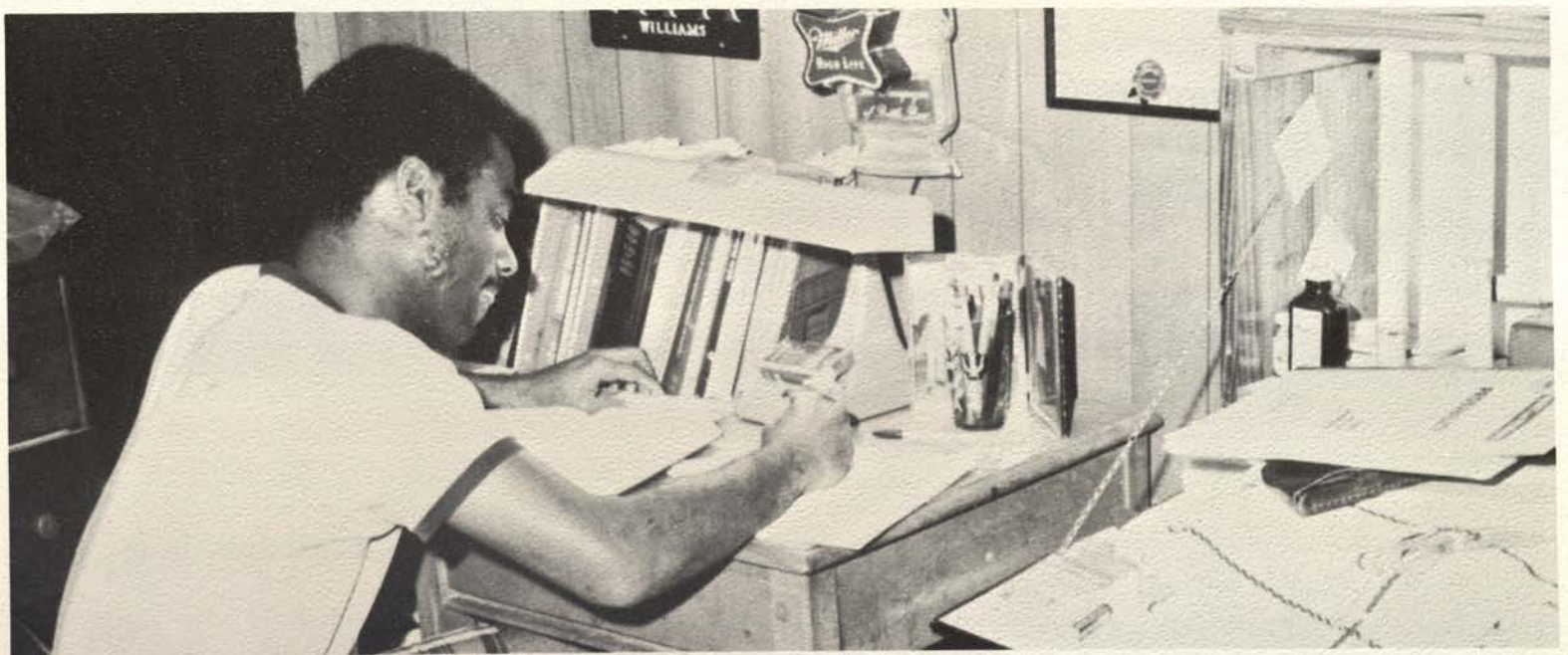
"Two heads are better than one," say these two brothers, as they try to pinpoint areas of deficient coverage in the house scrapbook.



Two brothers donate a little of their time to a winning cause by working in their 1970 Greek Week booth, which was a coin toss.



This is the display presented by the Epsilon Psi chapter of Alpha Phi Alpha at their Regional Convention held this past May in Cleveland, Ohio.



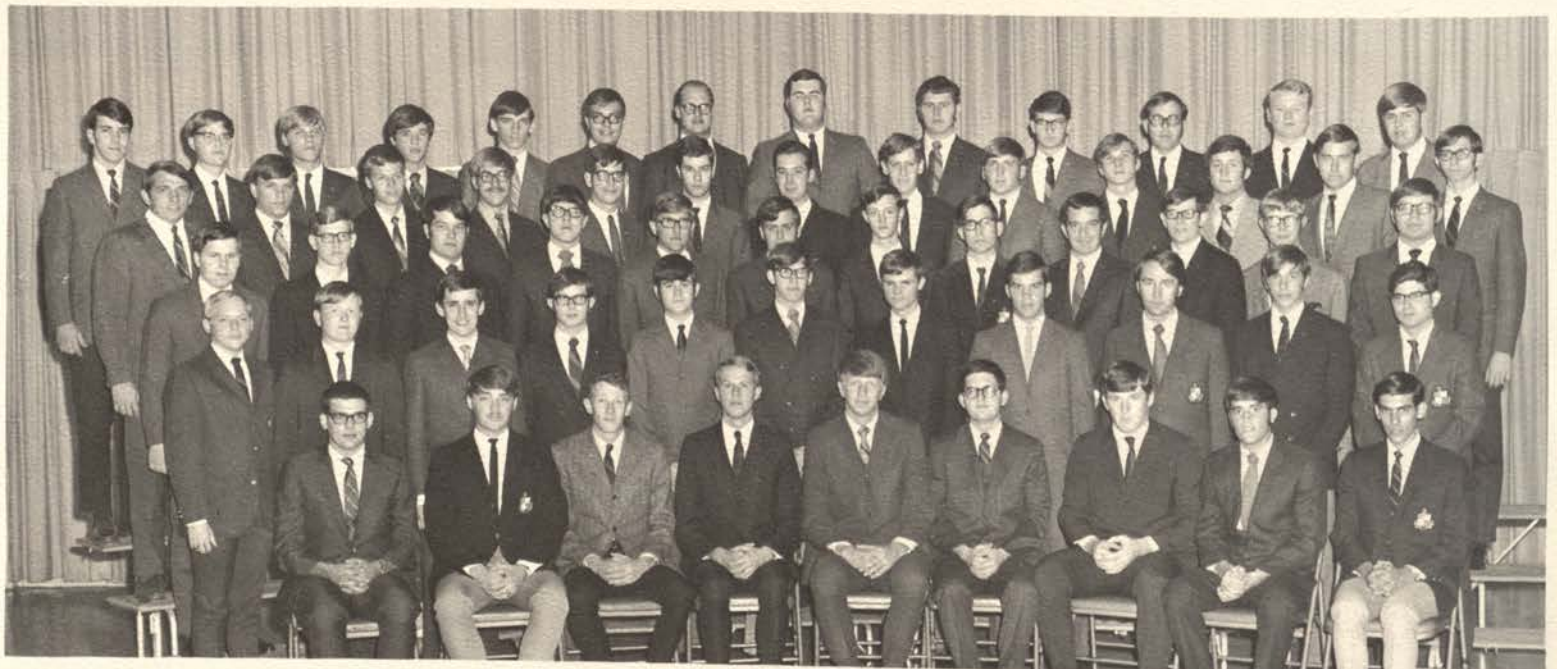
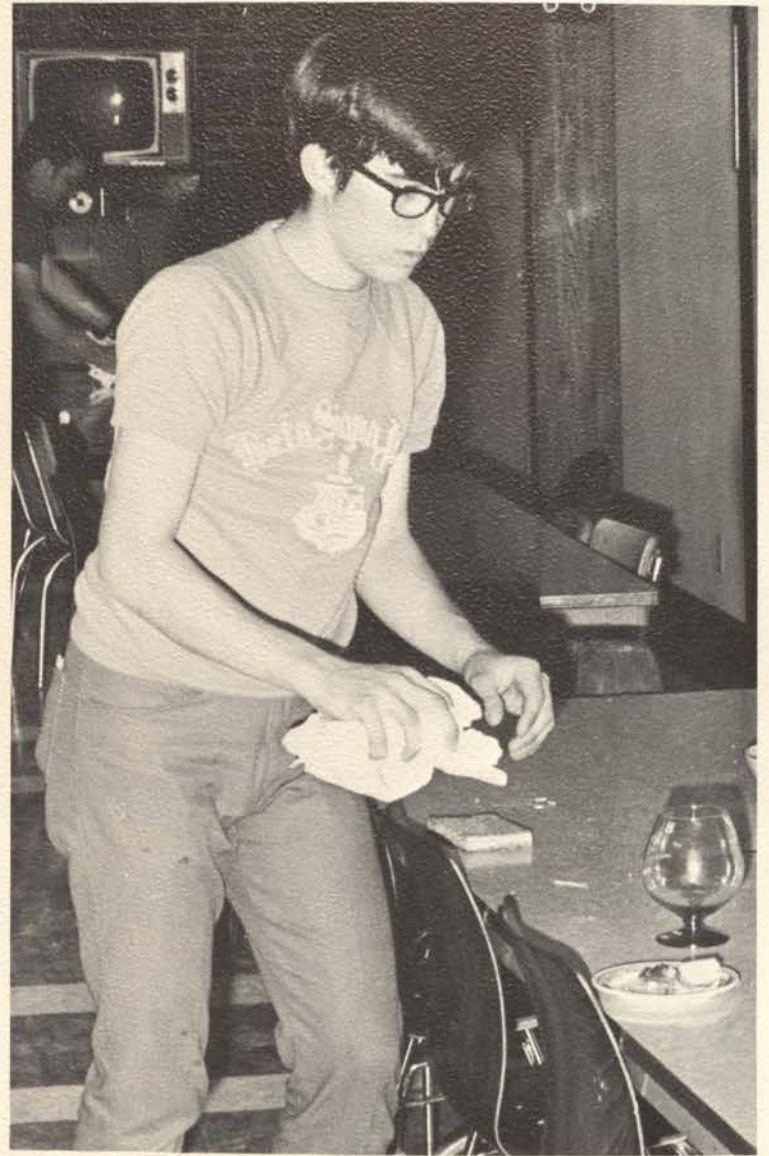
Amid a stack of books and a pile of papers sits a member of Alpha Phi Alpha gunning to maintain that all-important grade point average.





Fraternity life at Beta Sig can afford many opportunities to employ the engineering skills attained at UMR. This brother will testify.

A beautiful new house will remain so with the industriousness displayed by this brother, who is cleaning the chapter house dining room.



BETA SIGMA PSI ROW 1: Kopf, K., Meier, D., Secretary; Steward, T., Schuppan, W., Treasurer; Krueger, J., President; Schmaltz, R., Kremmel, L., Vahle, M., Seifert, R., ROW 2: Bailey, R., Kruse, O., Breitenbach, R., Heater, J., Manuel, D., Anderson, G., Wahls, M., Schaefer, F., Kasten, B., Vahle, W., Silkworth, P., ROW 3: Konradi, K., Auberle, D., Harrelson, D., Roth, P., Goyins, R., Lohmann, M., Green, R., Schuessler, W., Windelmann, J., Thomure, R., Warner, G.,

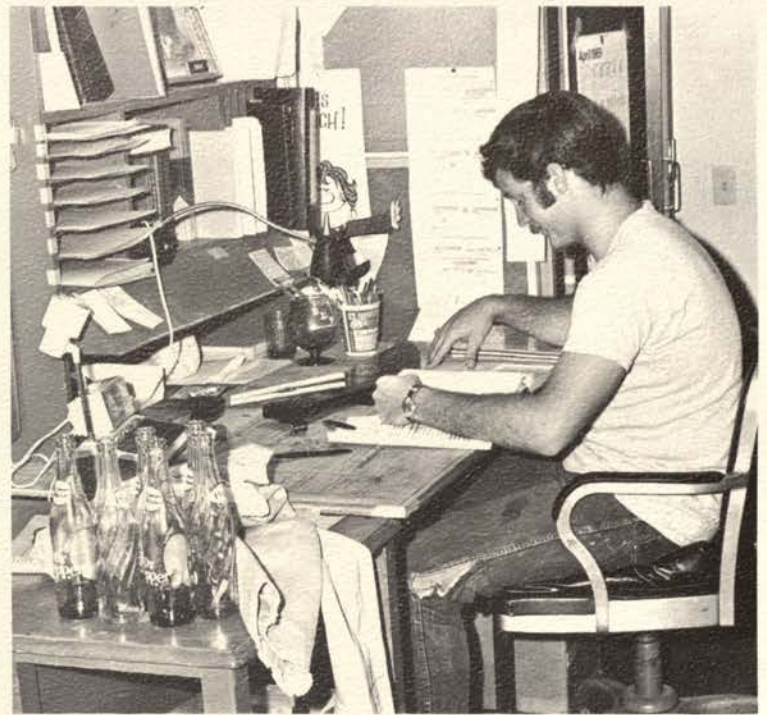
Roth, A., ROW 4: Spiegel, T., Witte, D., Koerner, R., Beck, W., Hoemann, A., Kuechenmeister, K., Friert, R., Wussler, R., Lehenbauer, D., Janssen, J., Giulevzan, M., Kroeter, D., Hardin, M., ROW 5: Chinn, T., Rucknagel, L., Lesser, K., Bosch, K., Jones, S., Heseman, G., Wolters, D., Probst, L., Schlechte, D., Koehrer, W., Huster, R., Maggert, G., Niermann, F.





The brothers of Beta Sigma Psi find Greek Week a welcoming break from the many strains that the UMR engineering curriculum often entails.

Mark Guilvezan, who enjoys an occasional soda while he studies, does his very best to pose for this "candid" shot at his desk.



## Beta Sig selected outstanding chapter

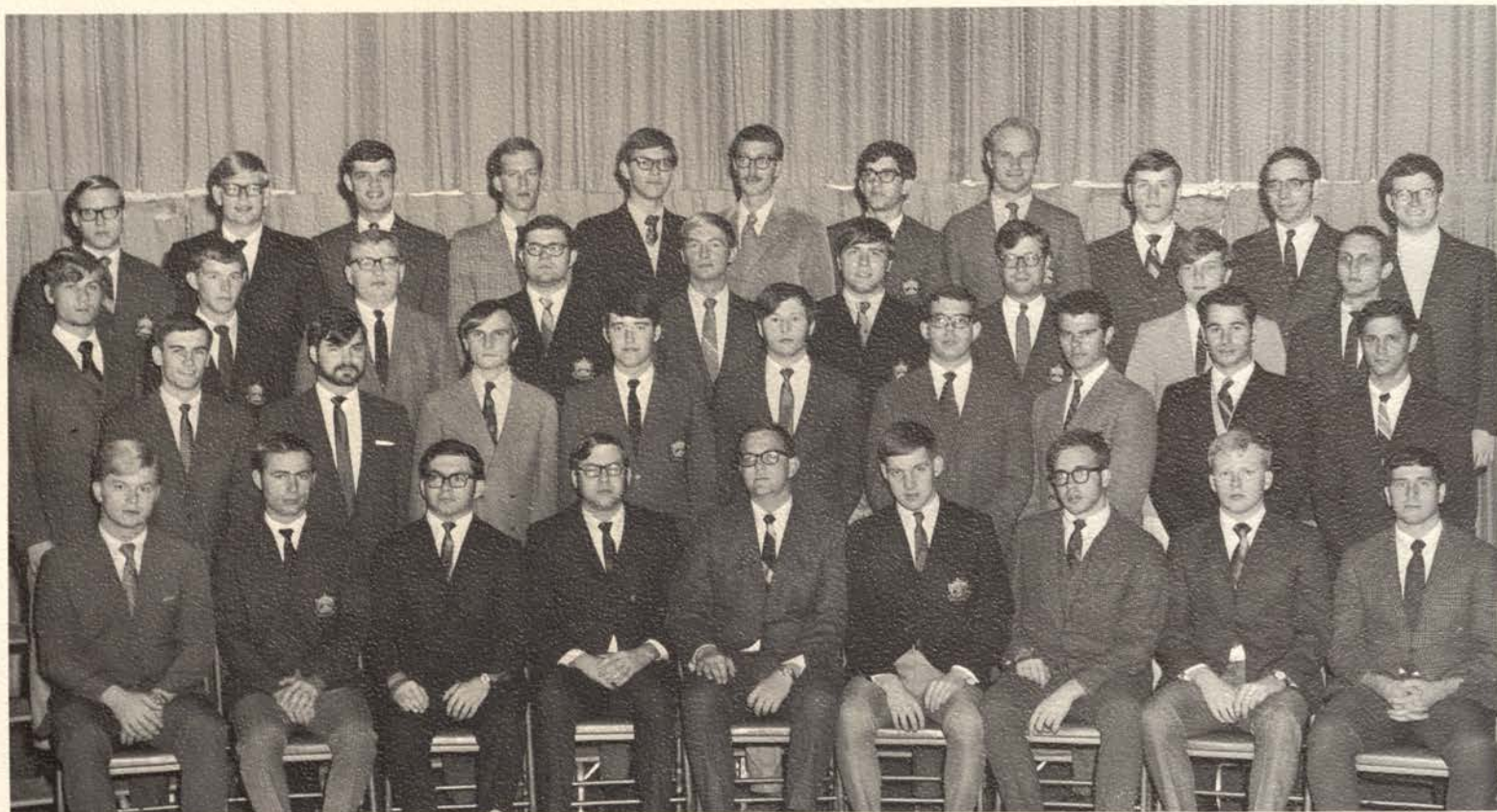
Eta chapter of Beta Sigma Psi was chosen outstanding chapter at its national convention this year. This is certainly an indication of the success Beta Sigs have enjoyed. On campus the brothers have shown themselves to be leaders by holding important offices in such organizations as Student Council, St. Pat's Board, A.I.M.E., Gamma Alpha Delta, A.S.M.E., and the Math Club. They have also maintained their leadership in scholarship by retiring the

IFC scholarship trophy. Beta Sig was also among the leaders in intramural football, volleyball, and bowling. Other projects also brought Beta Sig public recognition. A second place St. Pat's float, service projects in St. Louis, and a strong drive for Ugly Man were among these. These achievements represent much hard work, but the brothers also found time for play. Their social events were surely the most entertaining ever.

With a spacious living room at their disposal, a few of the brothers find time for a moment of relaxation in the form of a short card game.



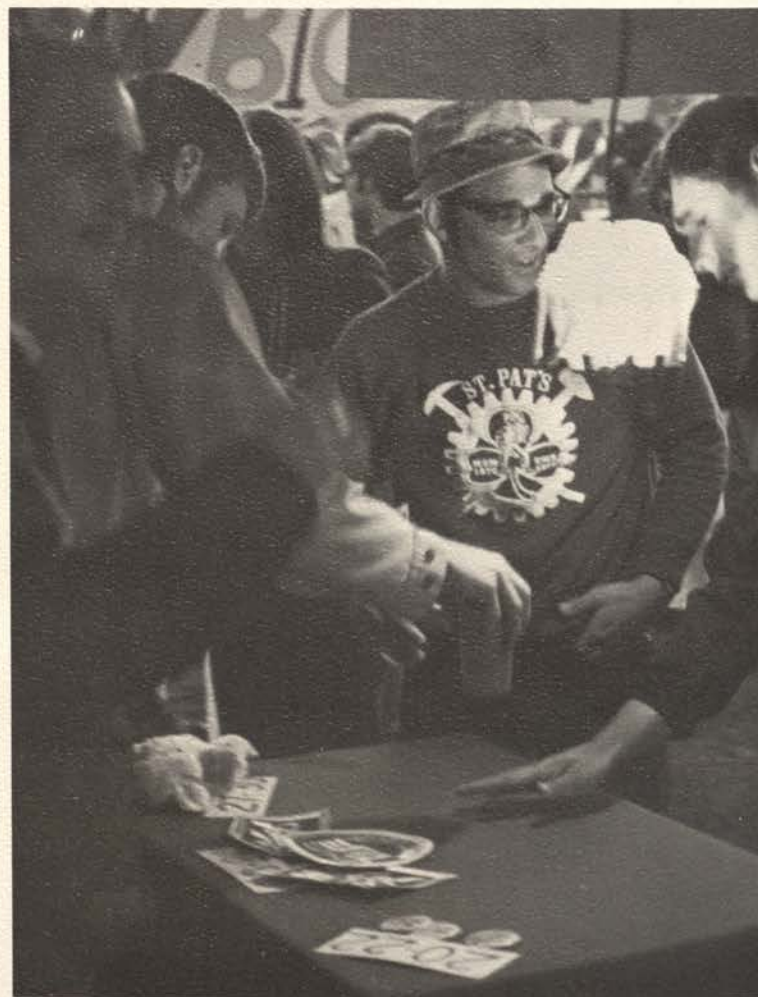
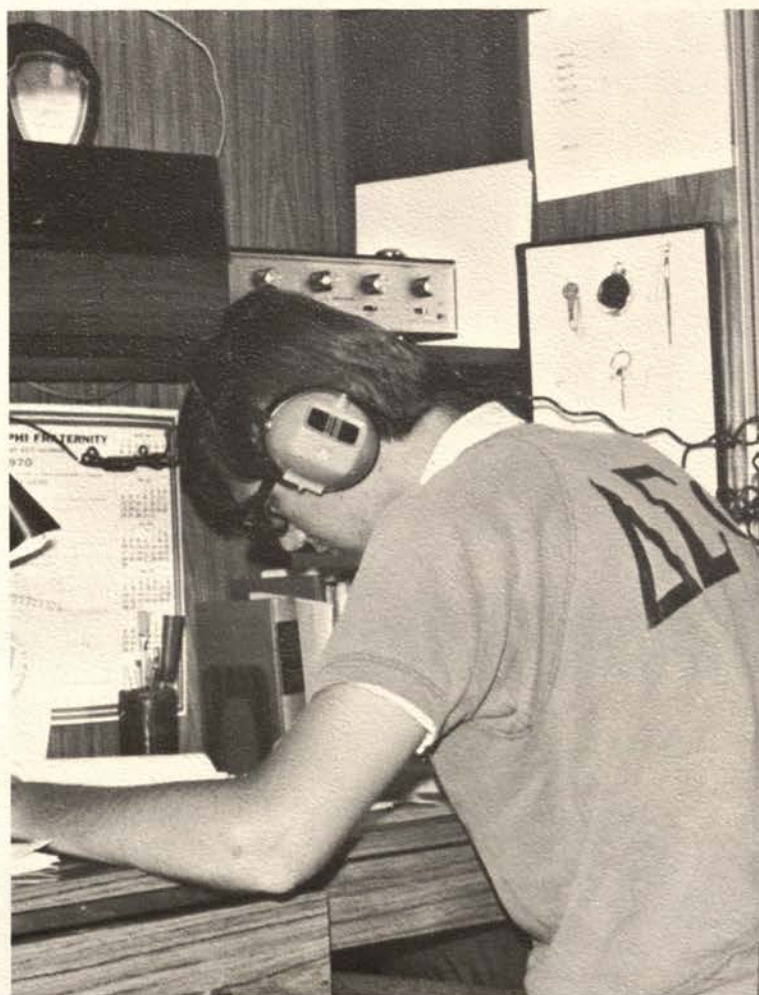




DELTA SIGMA PHI—ROW 1: Maschmann, D., Card, E., Riley, J., Latta, G., Secretary; Snow, M., President; Hellwege, J., Treasurer; Ward, T., Vice-President; Murray, D., Uebel, R., ROW 2: Donze, T., Harvey, H., Boswell, B., Beshore, D., Minney, J., Powell, R., Akin, W., Termini, M., Niederschmidt, J., ROW 3: Cox, E., Malicoat, F.,

Walkenbach, S., Taylor, B., Jasper, W., Johnson, S., Kistner, J., Forrest, R., Fronabargor, K., ROW 4: Bene, D., Lees, R., Briebeck, D., Benezette, R., Dodson, L., Roderick, J., Hoelscher, S., Starke, R., Bafford, D., Lucas, J., Edwards, D.

So as not to disturb anyone, this considerate brother, an electronics wizard, listens to his stereo-phono through a set of head phones.



Two members of Delta Sig find no difficulty in keeping people interested in their game at the Friday night IFC Carnival during Greek Week.



# Delta Sig again number one in nation

Again this year the Delta Sigma Phi chapter at UMR has lived up to its motto of "Engineered Leadership" by being chosen as the outstanding chapter of the more than one hundred chapters nationwide. This honor was achieved through continued excellence in leadership and scholarship. Delta Sig has shown its leadership abilities this past year by holding the following offices on campus: President of the Student Union Board, Vice-President of

the St. Pat's Board, President and Vice-President of Blue Key, President of Phi Eta Sigma, and President and Vice-President of S.P.S. With the addition of wrestling and swimming as varsity sports this year, Delta Sig was represented by lettermen in both. Aside from their campus activities, the brothers were there to answer the call for help when the Pruitt-Igoe Housing Project in St. Louis went into a state of emergency during the winter.



With a new house and modern dining facilities at hand, these members of Delta Sig would appear to be all engrossed in their noon-time meal.



DELTA SIGMA PHI—ROW 1: Carmichael, D., Kaplan, A., Somerville, R., Schmoldt, H., Renner, W., Touzinsky, R., Frossard, G., Hunziker, E., Pippin, K., ROW 2: Fowler, R., Ajhar, B., Hoffman, R., Brannan, R., Mann, R., Kolage, K., Sebben, D., Esther, C., Bahr,

M., Marshall, D., ROW 3: Schulte, T., Spaur, A., Kess, R., Intag, C., Quarantia, K., Upchurch, G., Loepp, A., Long, D., Detwiler, J., Feitz, T., ROW 4: Hayer, R., Clark, L., Davis, C., McCall, B., Smith, C., Smart, E., Jinkins, L., McAlpin, J., Reiman, R.





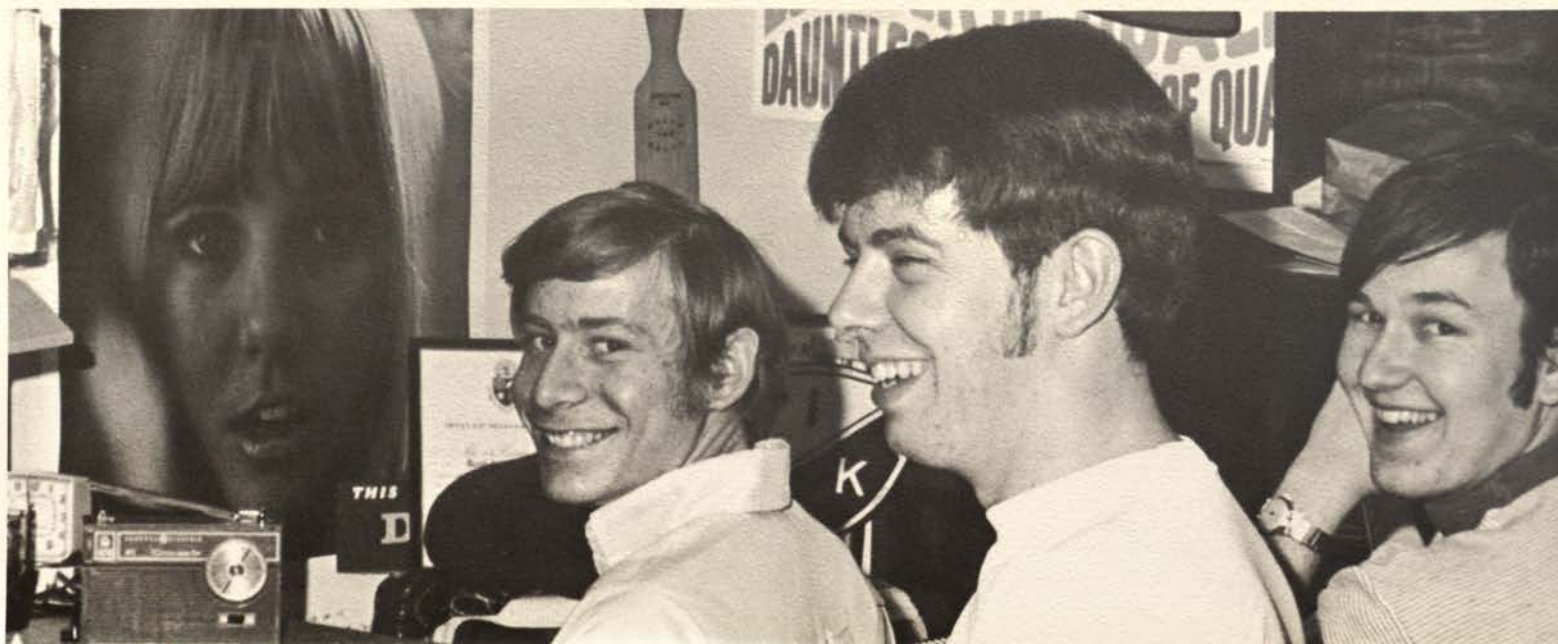
DELTA TAU DELTA—ROW 1: Power, D., Kifer, D., Parks, C., Treasurer; Benoy, L., Mack, A., President; Cranmer, R., Vice-President; Campen, R., Schreiner, M., Boucher, J., ROW 2: Aschinger, E., Smith, R., Shanklin, G., Zale, D., MacDonald, J., Wicke, G., Sebaugh, A., Hiserote, C., Sueboda, D., Erlandson, P., ROW 3: Brunkhorst, B.,

Holdener, D., Hansing, R., Vermillion, B., Wehmeyer, J., McClelland, J., Higgins, J., Hedden, S., Reynolds, L., ROW 4: Hoff, M., Allen, R., Williams, J., Hoppe, T., Lains, M., Braaf, J., Hoppe, R., Rickman, D., Miklovic, D.



Closing the books for the night, the Delta Tau Delta mascots take it easy in the living room of the Delt House to watch the Thursday night horror movie.

Dave Holdener finds it hard to study when two brothers stop in to chat with him about the days gone by at the Delta Tau Delta house, especially past party weekends.





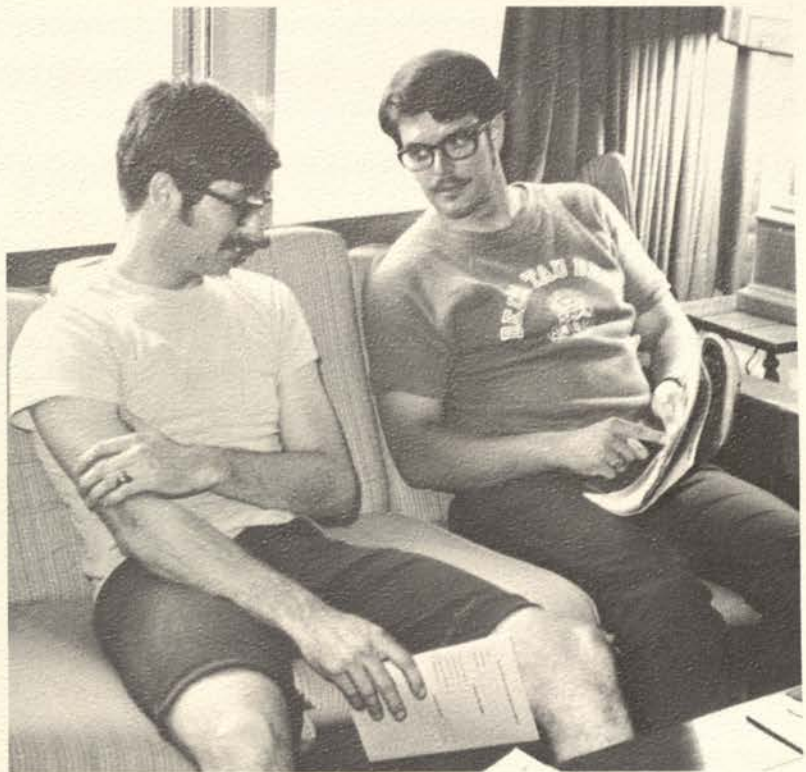
# Delta Tau Delta advances in scholarship

The men of Delta Tau Delta are meeting the challenge of the Seventies scholastically, intramurally, and in extra-curricular activities. Membership in various campus organizations has increased while scholarship and athletics have improved.

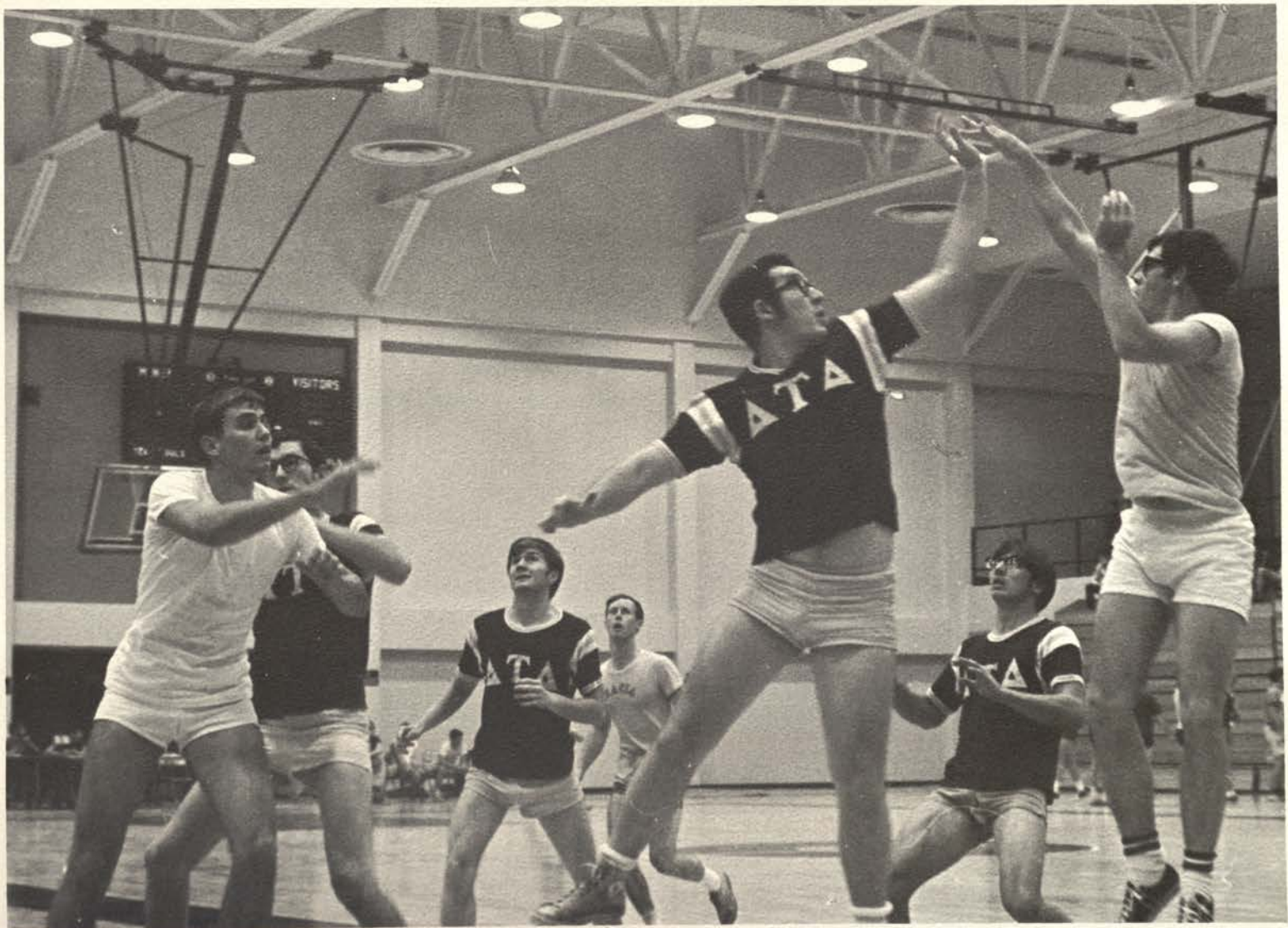
The Delts' most impressive achievement this year was in scholarship. The chapter finished the Spring semester '69 first in scholarship among the fraternities. For the Fall '69 semester, the brothers ranked third.

In intramurals the men placed in six areas and the Delts actively participated in the APO blood drive with more than 50% of the brothers donating. Another achievement was the award presented to the chapter by the Pruitt-Igoe District Community Corporation for "contributing to the health and safety of the residents of Pruitt-Igoe Public Housing Complex."

After acquiring a new annex during the Fall semester, the brothers set about the task of improving their shelters' appearance. Many floors were resurfaced and the kitchen underwent various renovations. The improvement the Delts are most proud of is the wood paneling which was recently installed in the dining room.



Two brothers of Delta Tau Delta take time from their studies to sit in the living room and discuss politics and other burning issues of the world.



A Delt goes up in an unsuccessful attempt to block an opponent's shot as his teammates scramble to the basket in anticipation of getting the rebound.





KAPPA ALPHA—ROW 1: Mendell, F., Treasurer; Stevenson, K., Frankenfield, J., Secretary; Alexander, W., President; Fischer, R., Vice-President; Faerber, D.; Bozzay, G., ROW 2: Cellard, G; Neu-wirth, D.; Mavpin, T.; Poertner, T.; Scheibal, L.; Burke, L.; Lillard,

J.; Harris, C., ROW 3: Doerr, S.; Duresky, J.; Rueter, D.; Ramsey, R.; Hone, J.; Burgess, K., ROW 4: Brinkman, R.; Linquist, C.; Moore, C.; Woodring, G.; Stellern, T.; Delargh, R.

## Kappa Alpha captures intramural wrestling

Beta Alpha chapter of Kappa Alpha was pleased this year to receive the J. Edgar Hoover Award from their national headquarters for being the outstanding chapter in the nation. The award is based on scholarship, outstanding performances in athletics, community service, and participation in campus activities.

Kappa Alpha once again reigned supreme in intramural wrestling this year, taking first place for the third consecutive year. This, along with first place in intramural softball and fourth in basketball helped boost KA high in

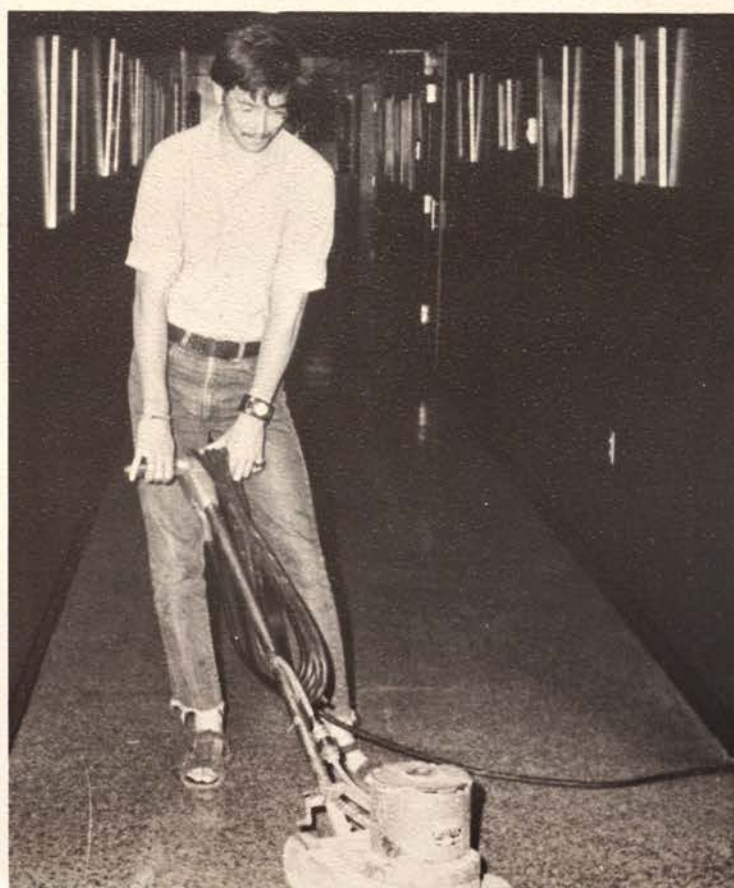
overall intramural standings.

An active participant in community projects, the fraternity collected for the March of Dimes, the Retarded Childrens Foundation, and the Heart Fund. In addition, they sent over 4000 envelopes for the Easter Seal Drive and sponsored a Christmas party for underprivileged children. The brothers also served in Project Assist in St. Louis. With their help a one block area of the inner city was brought to meet city zoning standards.



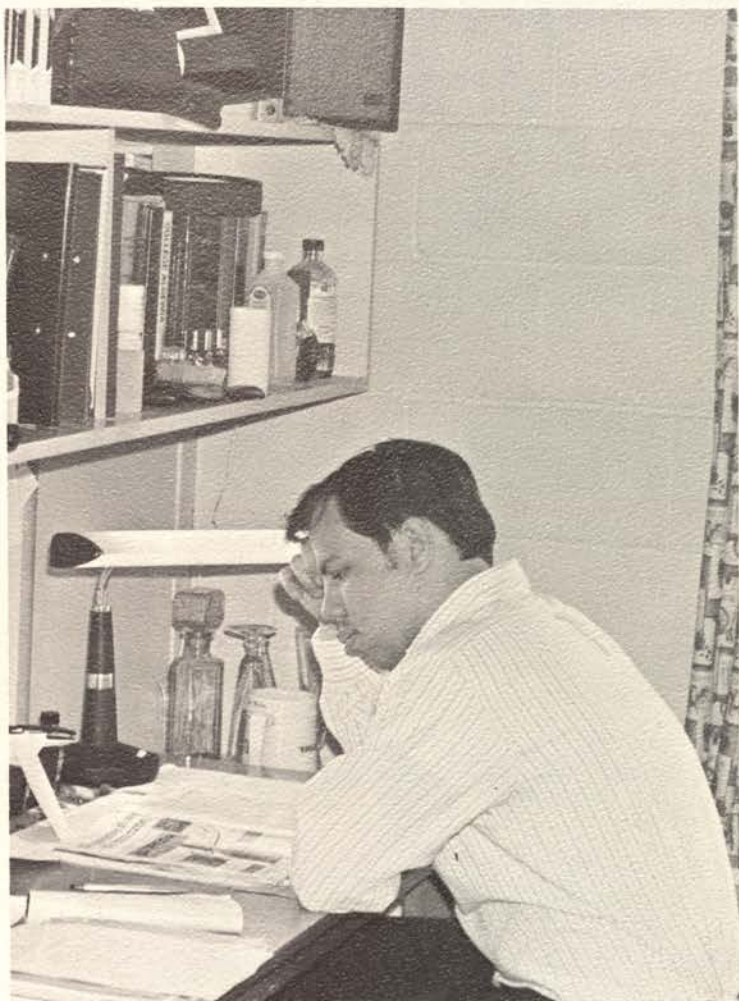
Ken Burgess and two brothers show their admiration for the mock cannon which was assembled for Homecoming party weekend at the KA house.

Displaying the ease with which everyday chores may be done, this brother merrily does his share in maintaining the Kappa Alpha Chapter house.





This brother shows that a desk can be used for purposes other than studying. Taking a break for a few minutes, he reads his favorite magazine.



Kappa Alpha can be very proud of the many trophies displayed here in the spacious area of the beautiful den of the modern chapter house.



KAPPA ALPHA—ROW 1: Sheridan, M., Blalock, A., Gerecke, R., Dustman, T., Rose, K., Tucker, W., Alday, D., ROW 2: Ponder, M., Briggs, K., Morgroove, D., Loisean, P., Teeley, J., Bender, R., Stanek, T., Wray, J., ROW 3: McBride, G., Boyd, B., Marstellar, B., Schmidt,

M., Anderson, M., Neuwirth, R., Tarro, C., ROW 4: Brunner, L., Reed, B., McVicar, G., Weaver, R., Moody, B., Moore, J., Klickna, J., Stel-lern, G., Clarke, W.





Members of Kappa Sigma add to the Homecoming spirit with some house decorations while Tim Vicente contemplates the long climb down the ladder.



Finding it hard to keep his mind on book work, one of the members of Kappa Sigma grits his teeth and struggles onward through the pages of his textbook.

## Kappa Sig wins IFC scholarship award

This past year has been the finest ever for the Beta Chi chapter of Kappa Sigma. During the year the men moved to their long awaited new home on Fraternity Row. The once a dream-now a reality home has accommodations for eighty men and provides much better living quarters than their old house. With enormous spirit and a 48-man pledge class the Kappa Sigs took first in the Homecoming Decorations contest and their candidate, Miss Betsy Thompson, was chosen to serve as queen for the celebrations. The brothers won the IFC Scholarship Cup the fall semester, and their Greek Week booth collected the most money. The men were also quite active on campus where they held the Presidencies of the IFC, Circle K, ASME, Theta Tau, and Soccer Club. Kappa Sig was also honored to have the IFC Man of the Year and the Freshman of the year. The chapter finished high in intramurals with a first in swimming, first in handball, and third in softball.



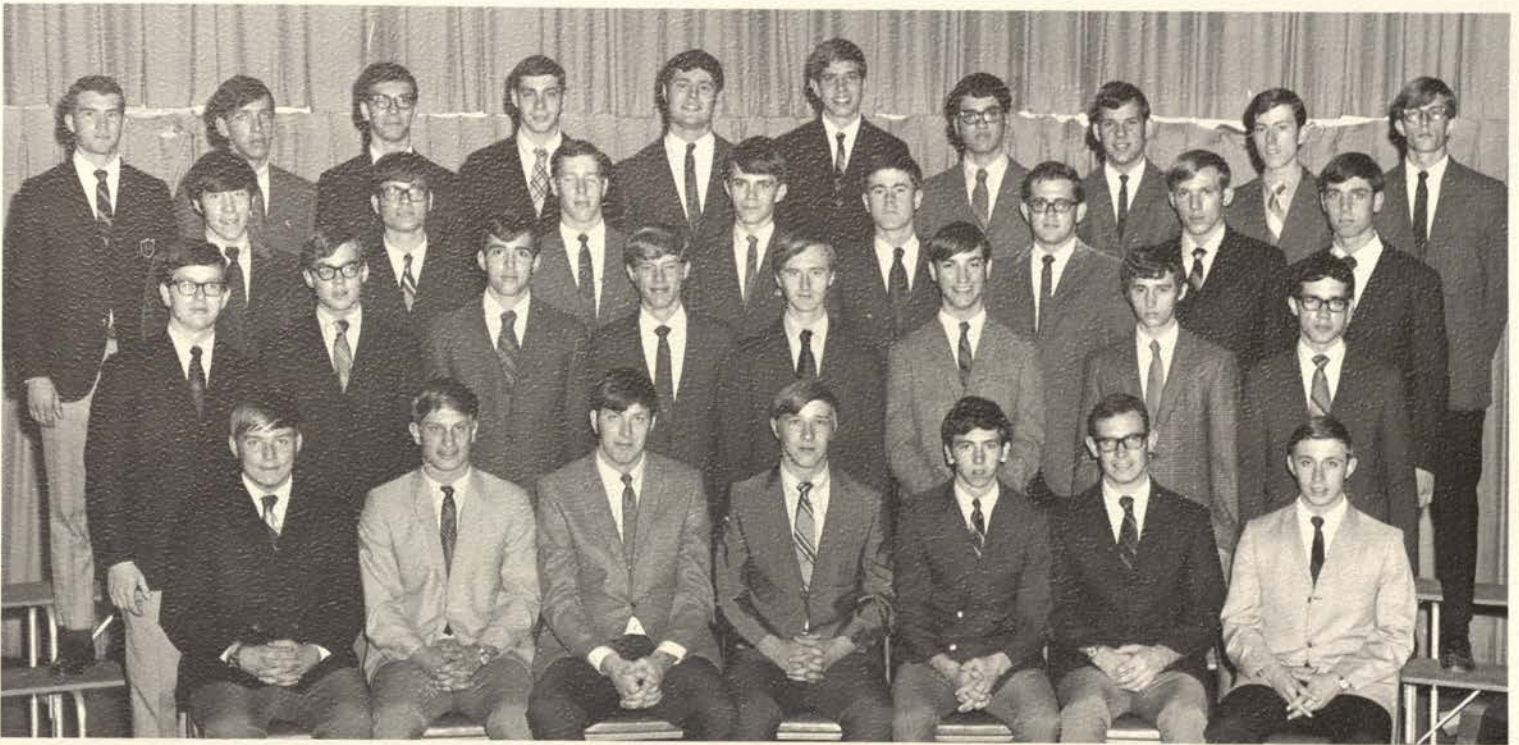
An apprehensive onlooker peers into the Kappa Sigma Greek Week booth which brought in more money than any other booth in the carnival.



KAPPA SIGMA ROW 1: Kelly, J., Dowling, J., Riess, R., Cizek, G., Lemasters, St., Secretary: Melzer, G., Vice-President: Mc Kelvey, J., President: Vicente, T., Thomson, R., Treasurer: Kelly, K., Johnston, M., ROW 2: Hoel, B., Krueger, D., Ward, R., Killoran, K., Kiel, J., Woodlock, M., Cordes, D., Becker, R., Rule, R. Schob, T., ROW 3:

Klein, K., Heppe, R., Hofler, R., Godwin, P., Wilkat, D., Pepper, J., Eatherton, S., Watermann, D., Rose, J., Welsh, J., ROW 4: Neely, D., Ruoff, B., Calkins, G., Dobbins, D., Dugan, D., Belsha, P., Forsee, G., Hennekes, J., Wichlinski, T., Balaz, B., Burkemper, R.





KAPPA SIGMA—ROW 1: Alverson, M., Pariani, G., Sanborn, F., Bell, W., Knoll, P., Krentz, R., Jearlo, L., ROW 2: Miesner, S., Mitchell, R., Pelger, T., Stegner, G., Fetterman, P., Rezsonya, C., Johnston, R., Payken, C., ROW 3: Vail, C., Losie, S., Shucart, J., Litteken,

B., Denny, J., Watson, E., Nelson, G., Skelly, J., ROW 4: Arnsmeier, K., Gale, D., Marienfeld, M., Davis, M., Pelech, C., Ilefield, R., Bommarito, T., Callier, A., Porte, D., Giulvezan, S.



The brothers of Kappa Sigma are quite proud of their beautiful new chapter home which was just recently erected on the UMR Fraternity Row.

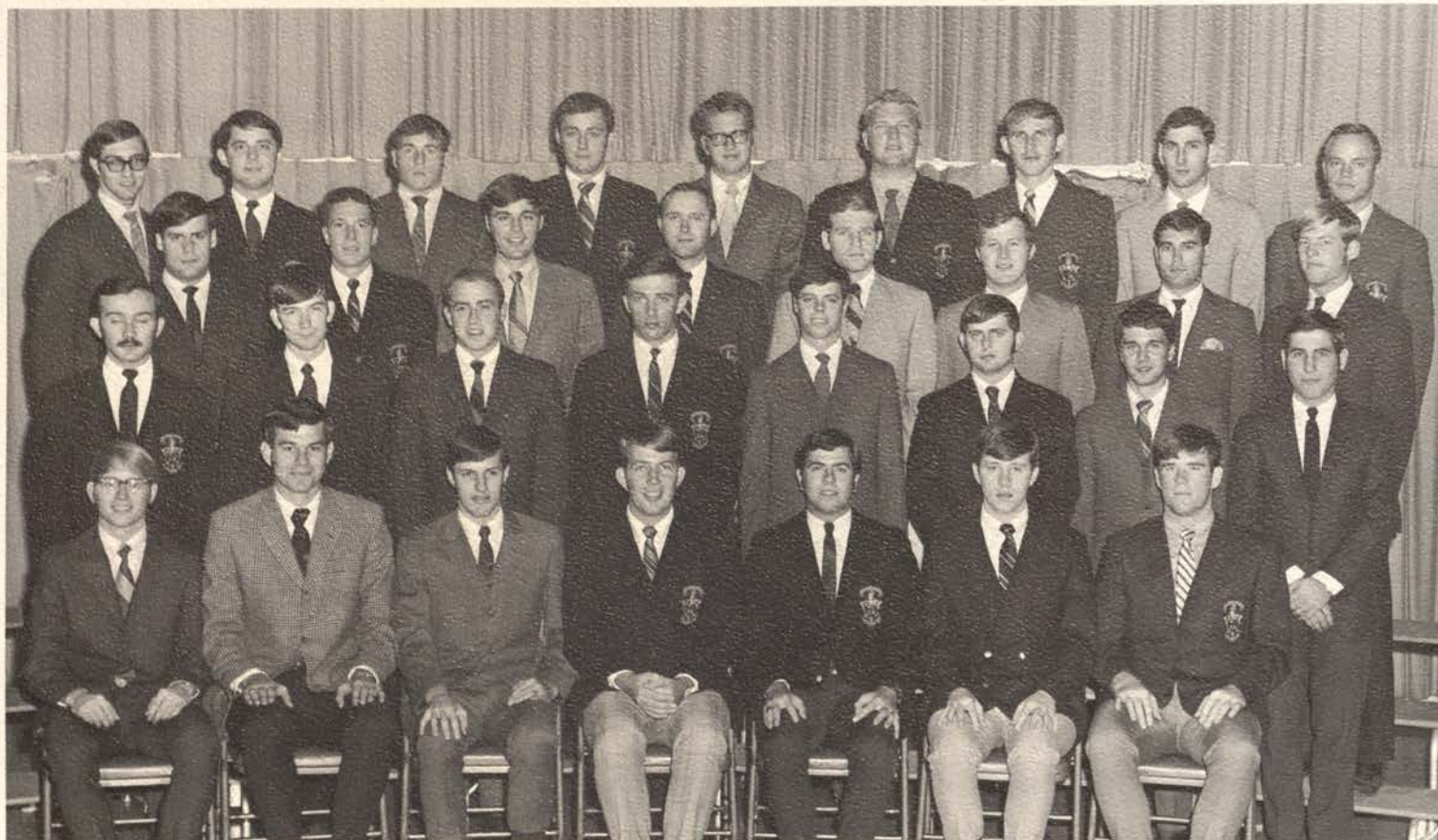
Coach Burr Van Nostrand presents the victorious Kappa Sigma swim team with a first place trophy for their performance in intramural competition.



Two Kappa Sig linemen successfully take an opposing player out of the play as a fleet-footed running back slithers up the middle of the line.

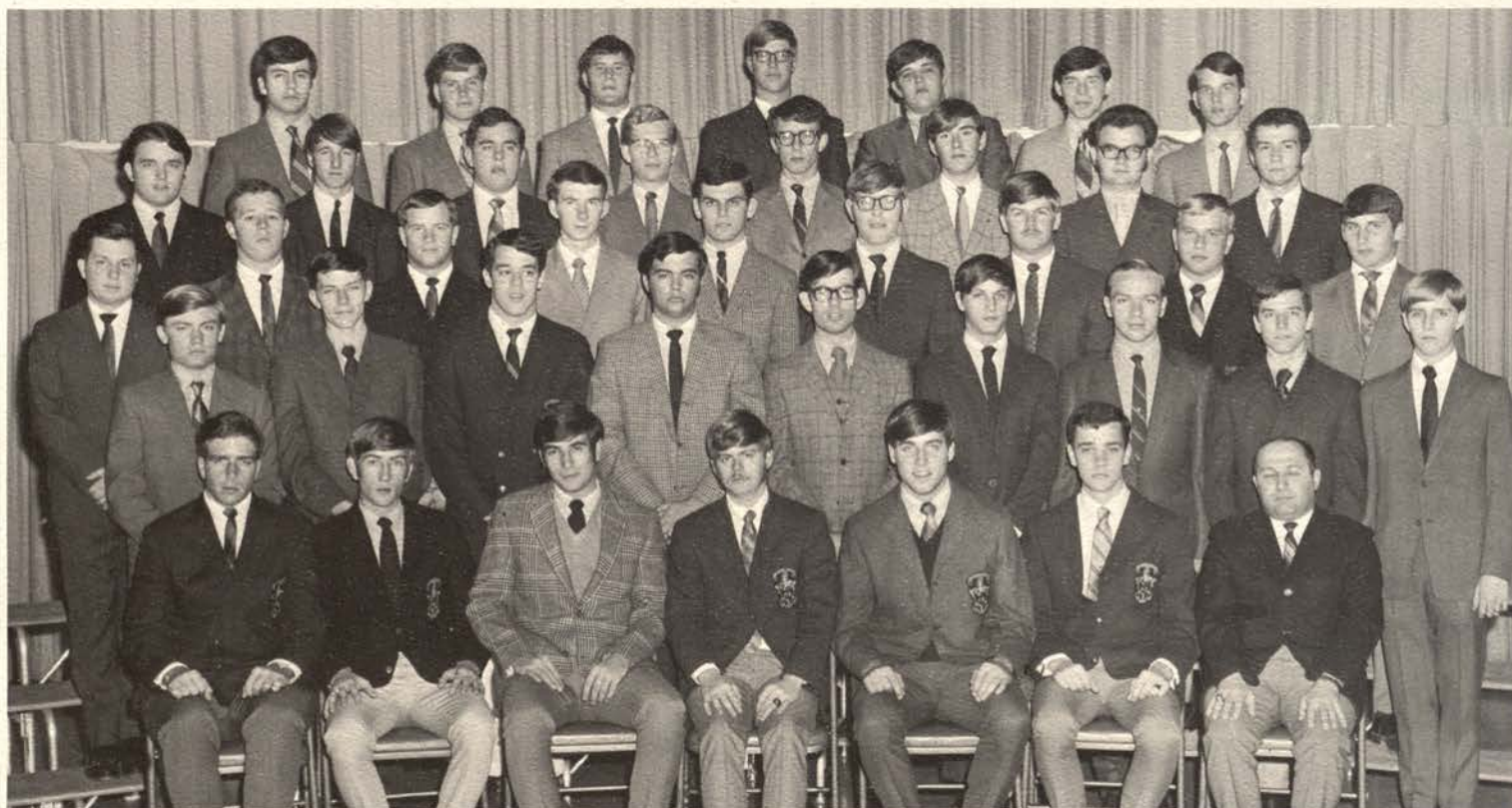






LAMBDA CHI ALPHA—ROW 1: Beilstein, J., Randolph, B., Gardner, S., Vice-President; Warner, J., President; Smith, B., Treasurer; Cox, J., Secretary; Berry, B., ROW 2: McGrew, G., Davis, R., Branum, L., Miller, R., Selden, T., MacDonald, B., Stanglein, D., Hausman, D.,

ROW 3: Blanke, E., Martin, R., Suoboda, M., Ross, S., Toth, G., Schilling, K., McClain, G., Schroeder, C., ROW 4: Workman, D., George, M., McAllister, D., Perry, J., Miller, P., Potzmann, D., Legsdin, J., Schultz, K., Mild, W.

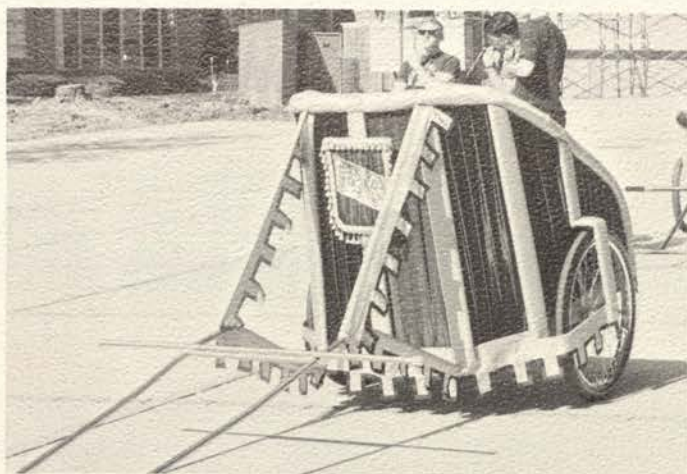


LAMBDA CHI ALPHA—ROW 1: Hunyar, D., Headington, T., Headington, F., Allen, J., McDonald, J., Leidwanger, G., Panteus, P., ROW 2: Means, J., Dawes, R., Noland, J., Modde, B., Kunderman, V., Gieseking, P., Ferguson, S., Vogel, R., Foote, C., ROW 3: Otte, D., Key, J., Darrow, D., Miller, M., Durr, J., Wright, R., Anderson, B., Whaling,

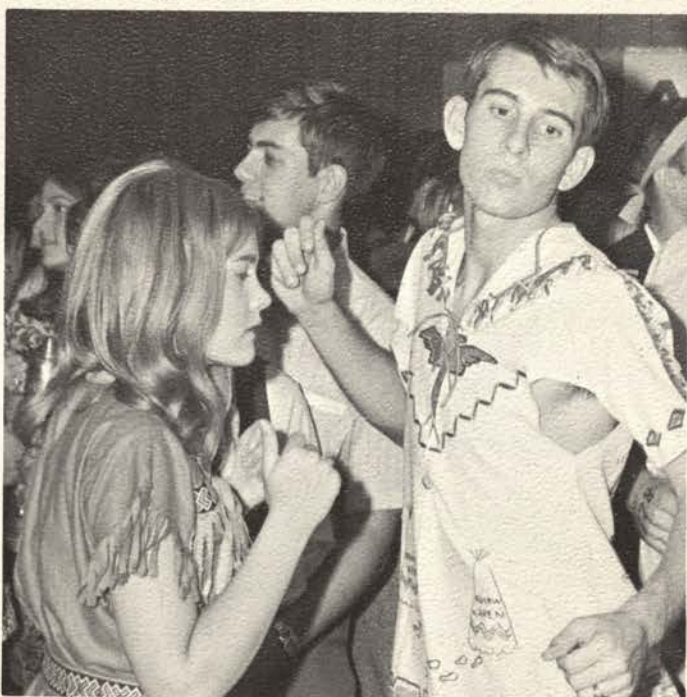
R., Killinger, C., ROW 4: Chauvin, B., Crowell, M., Amsinger, M., Schnatzmeyer, M., Bruno, M., White, R., Cora, J., Pompe, B., ROW 5: Hess, J., Long, J., Pyle, H., Thomas, W., Long, K., Mayfield, L., Farrar, W.



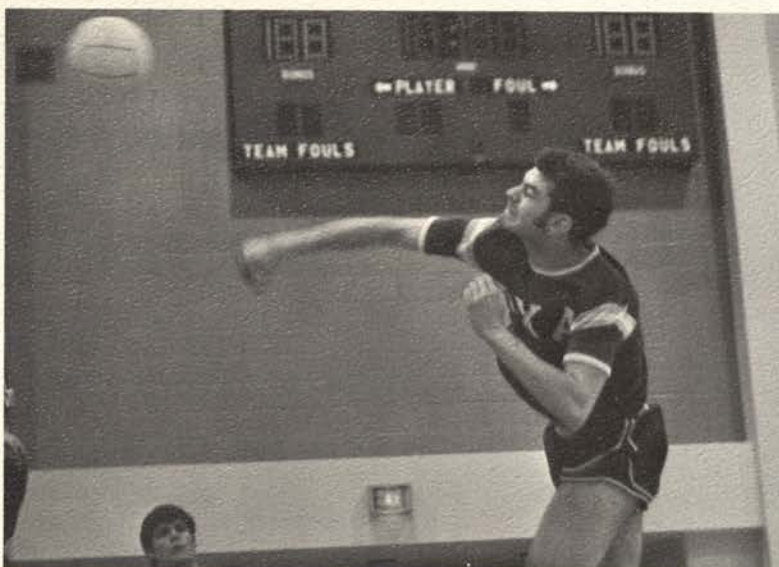
With all the beauty and magnificence of an authentic Greek chariot, sits the prize winning creation of Lambda Chi Alpha.



Lambda Chi's Kent Mueller and his date do a swinging tribal dance to the beat of the village tom-toms Homecoming party weekend.



Four spent horsemen triumphantly approach the finish line in the chariot race to claim another first for Lambda Chi Alpha in the Greek Week games.



One member of the Lambda Chi intramural volleyball team goes high in the air to deliver a mighty spike to the opposing team, making way for another victory.

## Lambda Chi commended for public service

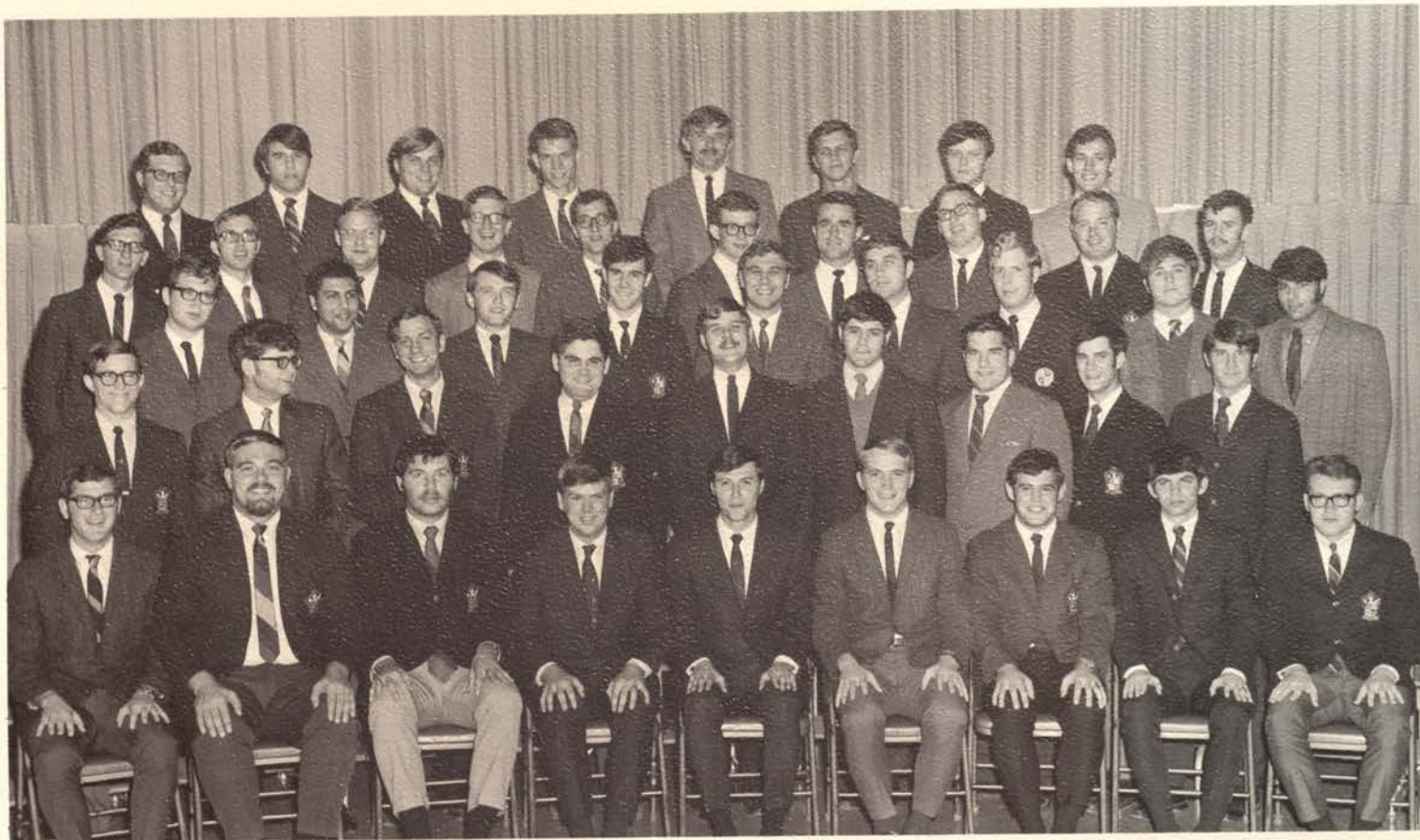
During the past year the Lambda Chis ranked in the upper half in scholarship among fraternities and tied for first place in the overall Greek Week activities competition. The brothers also excelled in intramurals by taking second place in both football and volleyball and placing high in all other events. These achievements led the men to an overall standing of second for the year. In the field of service to their fellow man, several work projects in St. Louis were accomplished and a very successful Christmas Party for local underprivileged children was held. These services led the chapter to second place ranking among the 186 chapters of Lambda Chi.

On campus, Lambda Chi has shown much spirit and support for the Miner varsity sports by taking second place in the Twelfth Man award. In other extra-curricular activities, Lambda Chis held offices in Blue Key, A.M.A., N.S.P.E., A.S.M.E., and Circle K.



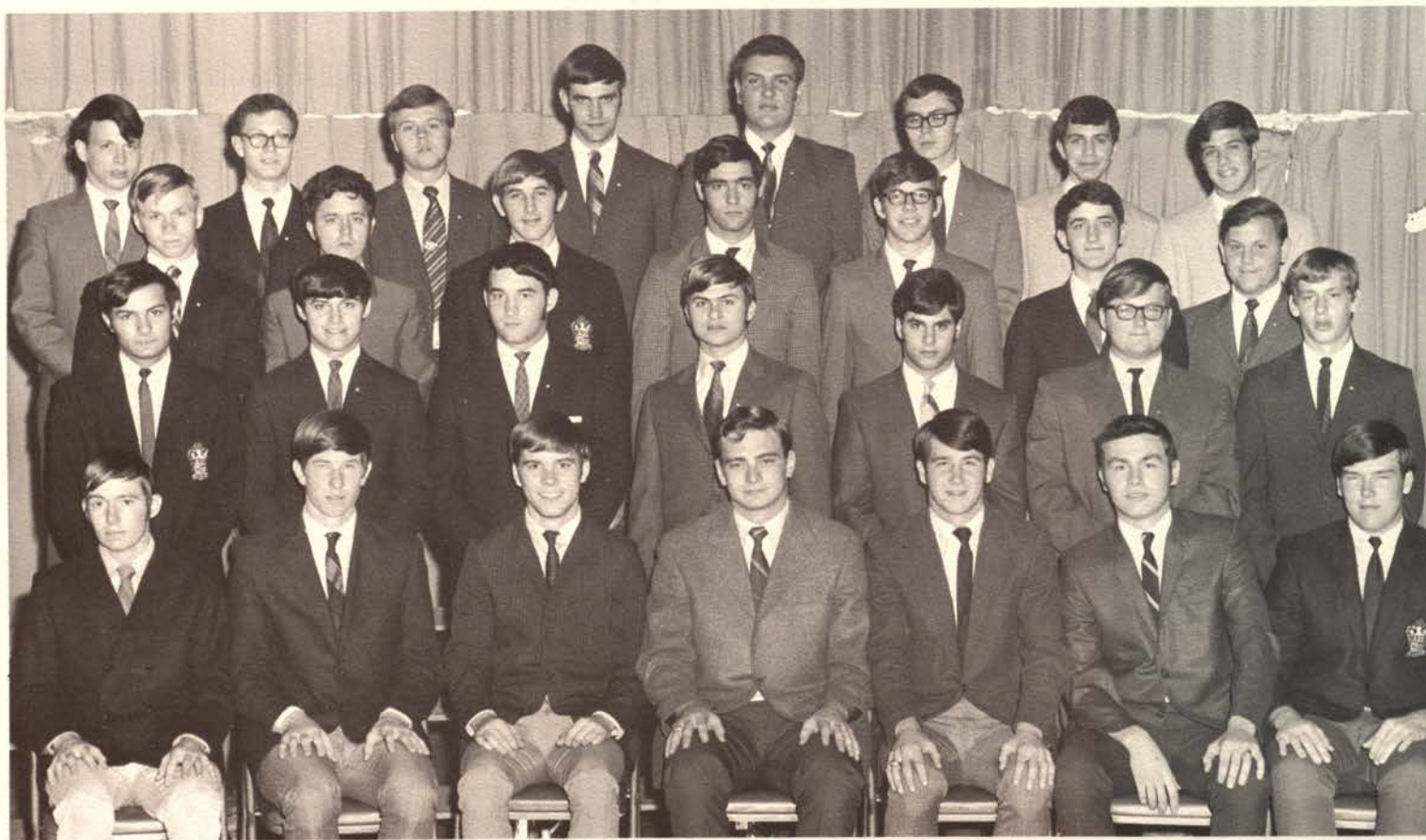
While fulfilling the duties of the office of President senior John Warner was often found contemplating the many executive decisions which came before him.





PHI KAPPA THETA—ROW 1: Mues, R., Struckhoff, R., Burke, B., Wand, D., Vice-President; Schellman, L., President; Grawe, J., Vice-President; Schweigert, K., Kennedy, B., Secretary; Rapp, D., ROW 2: Corbett, T., Schuck, B., Kalbac, R., Klug, R., Rechner, J., Windish, M., Bauman, W., DiPaola, J., Rupp, M., ROW 3: Sandler, J., Balestreri,

J., Brown, J., Boschert, T., Roth, C., Bokermann, D., Apprill, M., Weber, J., Couri, E., ROW 4: Zlatic, M., Wulff, S., O'Hearn, R., Maune, D., Ritter, D., Roettgen, L., Eimer, R., Rhodes, T., Meehan, J., Roche, J., ROW 5: Kuhn, S., Elli, M., Dietsch, M., Schmidt, K., Brown, B., Suher, F., Schade, G., Frauenhoffer, D.



PHI KAPPA THETA ROW 1: Roos, S., Veit, M., Godar, M., Kruse, L., Rupp, J., Keuss, S., Evers, D., ROW 2: Zagarr, R., Viox, D., Heil, D., Flaminio, C., George, R., Oxler, T., Palmer, R., ROW 3: Mohr-

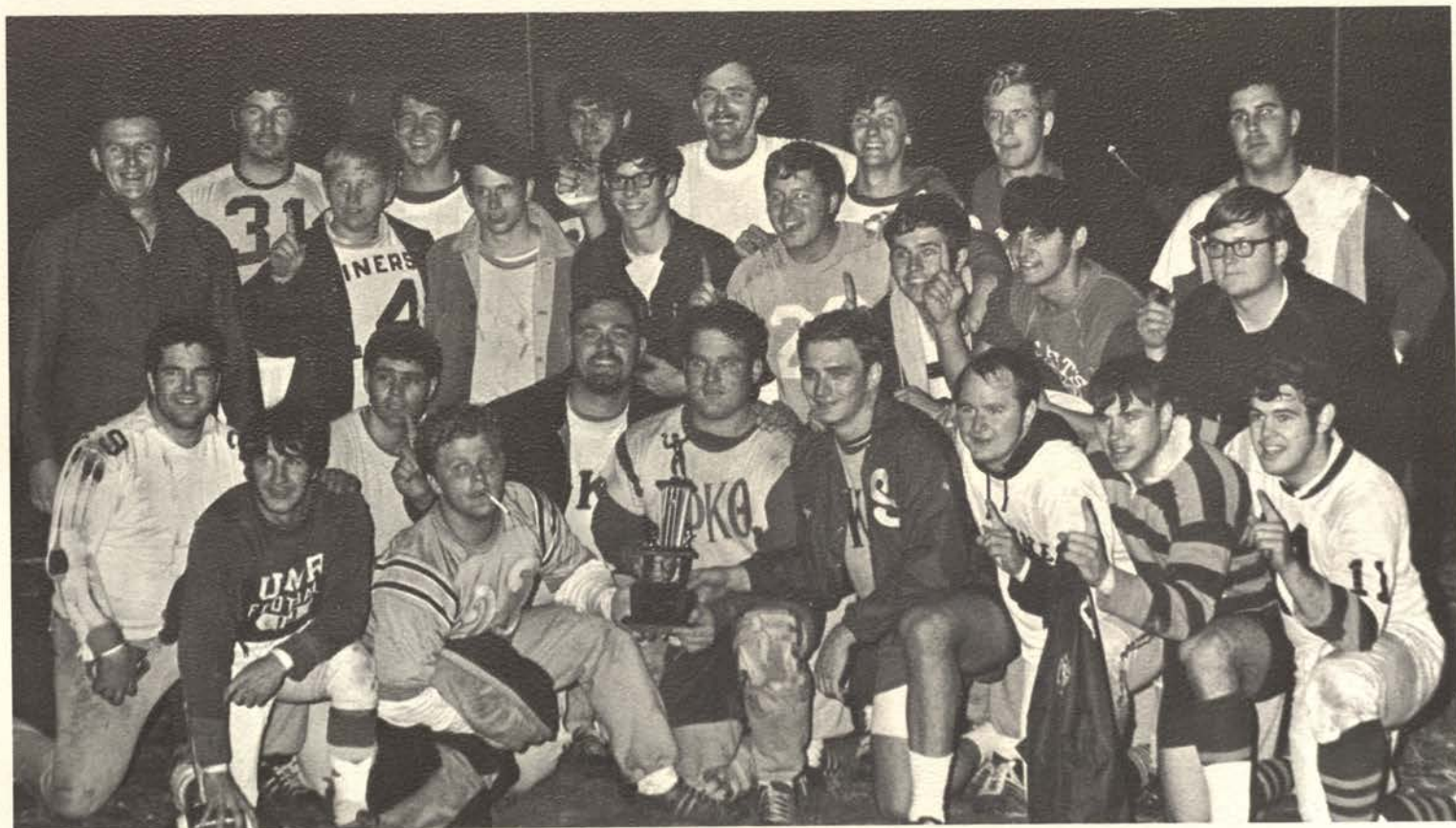
mann, G., Reynolds, R., Schellman, D., Baumann, K., Robertson, S., O'Connell, S., Stewart, R., ROW 4: Phillips, S., Bruns, B., Bertrand, P., Bell, J., Christ, R., Schumacher, J., Sgarlata, L., Mullen, D.



# Phi Kappa Theta wins intramural football

Phi Kappa Theta has shown one of its top years in the aspects of academics, sports, and campus involvement. Being one of the larger fraternities on campus, they were forced to purchase an annex last summer, which was ready to house 30 men in the Fall. Phi Kap's accomplishments for this year include winning their second consecutive intramural football title, finishing first in volleyball, and being competitive in all forms of intramurals and varsity sports. The brothers also won the St. Pats Float Contest for the fourth time, an achievement equalled to by no other

campus organization. As for extracurricular involvement, the men of Phi Kappa Theta held the offices of Treasurer of Scabbard and Blade, Editor, Editorial Assistant, and Layout Editor of the Miner, Editor-in-Chief and Associate Editor of the Rollamo, President and Vice-President of Alpha Phi Omega, Vice-President of the Psychology Club and Projects Co-ordinator of Gamma Alpha Delta. The brothers also served the community by their active participation in the St. Louis work projects.



The members of Phi Kap's grid squad indicate that they are number one as they pose for this shot after winning the intramural football title.

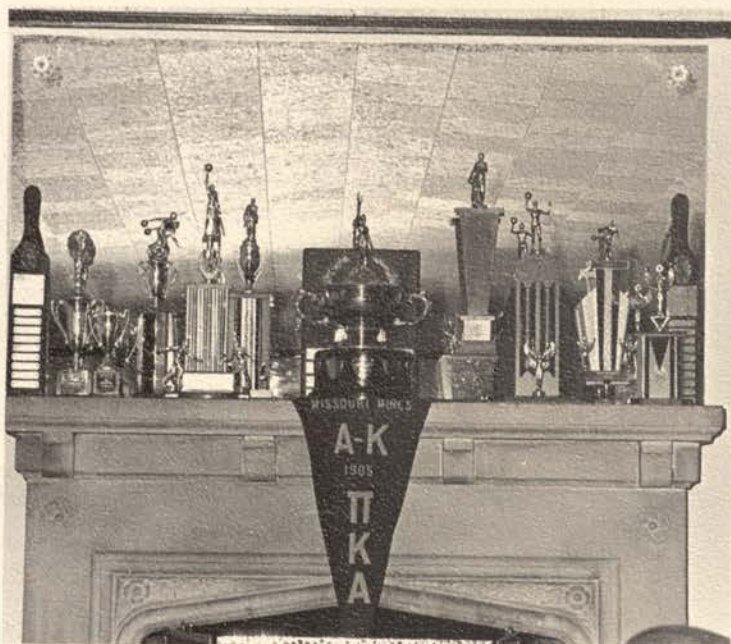


Phi Kappa Theta's entry in the "bust the balloon on the bottom" contest during the Greek Week games finds the going a bit more than she had expected.

Several brothers help heap trash into the pile which was proclaimed the best trash pile accumulated for the annual Homecoming bonfire.

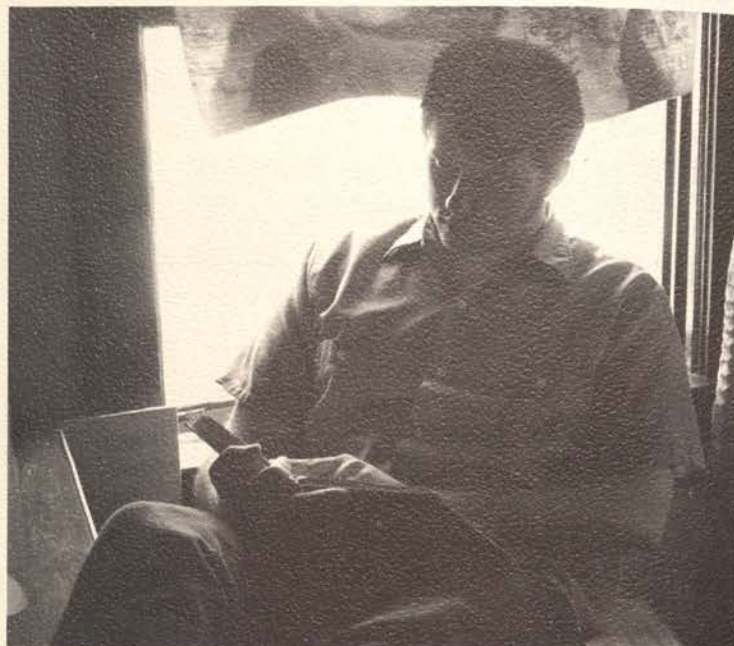






Placed here over the living room fireplace, these well-earned trophies are proudly put on display by the men of Pi Kappa Alpha fraternity.

Studying can really be a chore unless you know just what you are doing. Take this man's advice—lean back and prop your feet up a bit.



## Pikers recipient of national award

The Alpha Kappa chapter of Pi Kappa Alpha has truly had an outstanding year. For the third consecutive year they were named the best overall chapter in Missouri while being the number 2 chapter in the nation. The brothers won third place in the St. Pat's Parade and were sponsor of the St. Pats Queen of Love and Beauty. On campus the Pikers held many top positions including Business Manager, Sports Editor, Classes Editor, and Organizations Editor of the Rollamo. Other offices held include Business Manager and Advertising Director of the Miner, President

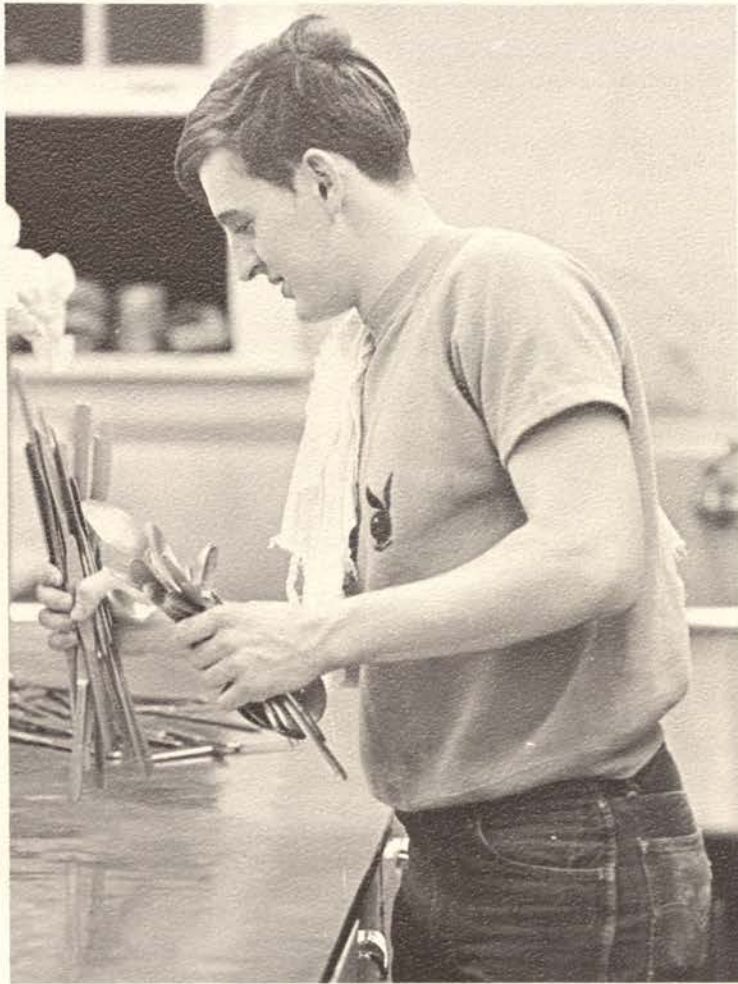
of Circle K., President of Blue Key, and Secretary and Judicial Board Chairman of the IFC. Six brothers lettered in varsity baseball and one lettered in tennis. A Piker was elected to the top 8 IFC Men of the Year, while two were named to Who's Who in American Colleges and Universities. The chapter also participated in a work project for underprivileged children in the low-rent district of St. Louis and worked with handicapped children in the Rolla area. The chapter also finished in the top ten in intramural sports by active participation of all the brothers.



PI KAPPA ALPHA—ROW 1: Capelli, T., Burke, P., Atteberry, M., Ponliroli, J., Wedge, K., Frisbee, T., President; Phillips, G., Vice-President; Woltjen, J., Treasurer; Biederman, S., Haley, J., Chapman, R., ROW 2: Utterback, T., Tibbits, P., Hilterbrand, K., Hill, T., Efthim, A., Njus, C., Nekula, R., Weber, C., Fitzpatrick, J., Wunning, S., Schupbach, L., ROW 3: Roufa, G., Scanlon, B., Barezewski, D., Colombatto,

P., Miera, D., O'Neill, G., Davis, S., Schott, G., Frisbee, D., Rokers, J., Grabski, S., Dudzik, D., ROW 4: Cummings, J., Weekley, J., Erman, D., Kuhlmann, G., Schneider, E., Henermann, C., Bechtel, J., Laschober, R., Spencer, J., Bray, K., Robinson, T., ROW 5: Heck, G., Burton, J., Brennecke, B., Christanell, R., Boyce, D., Barnett, T., Graham, T., Callahan, J., Ortwerth, G., Muskopf, L.





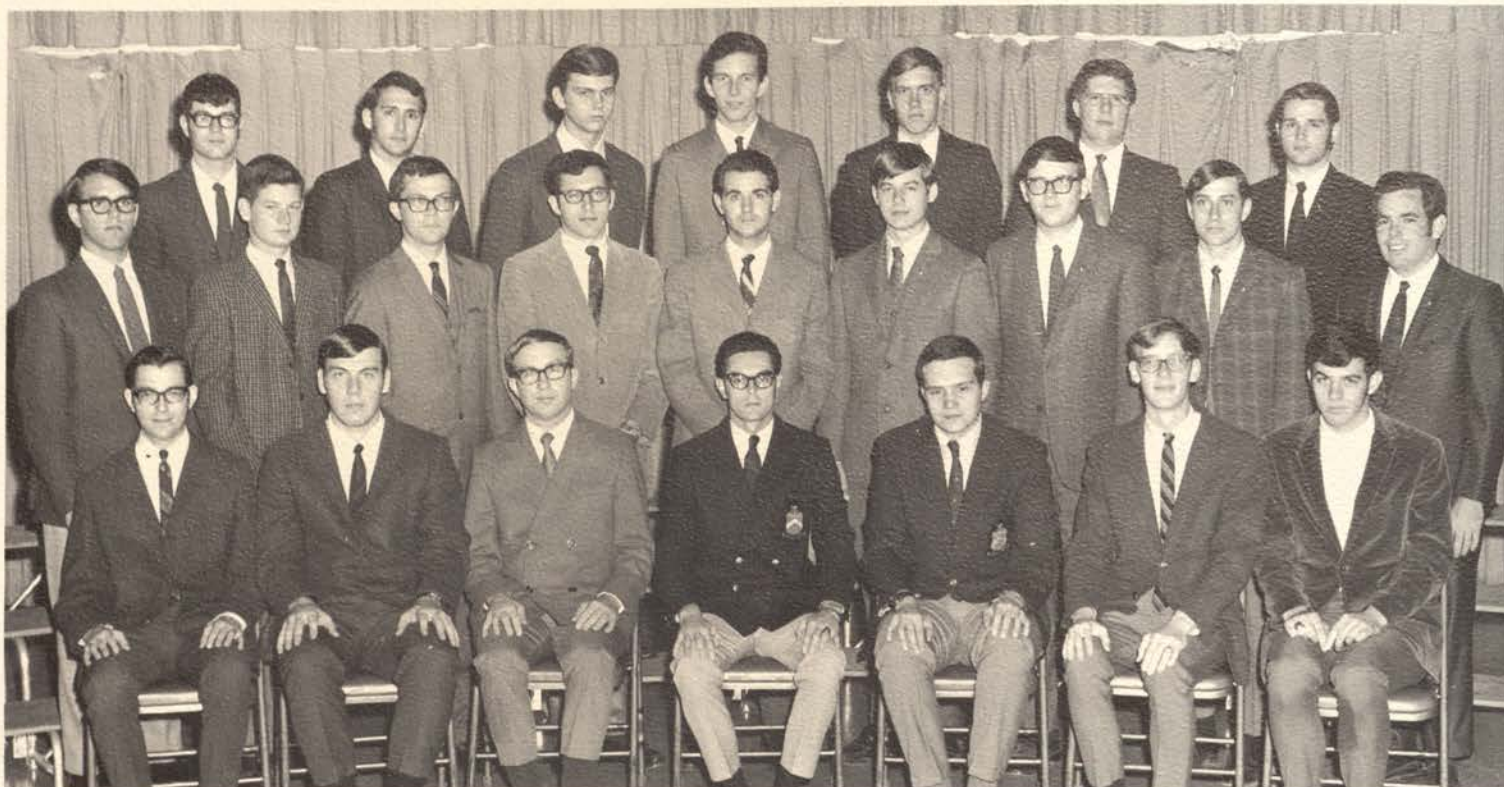
Tom Robinson carries his part of the fraternal duties which each brother must perform, in order to keep their home in a pleasant atmosphere.

Jerry Callahan finds it difficult to sleep with the aroma of popping corn present in the room, so he gets where he can claim first dibs.



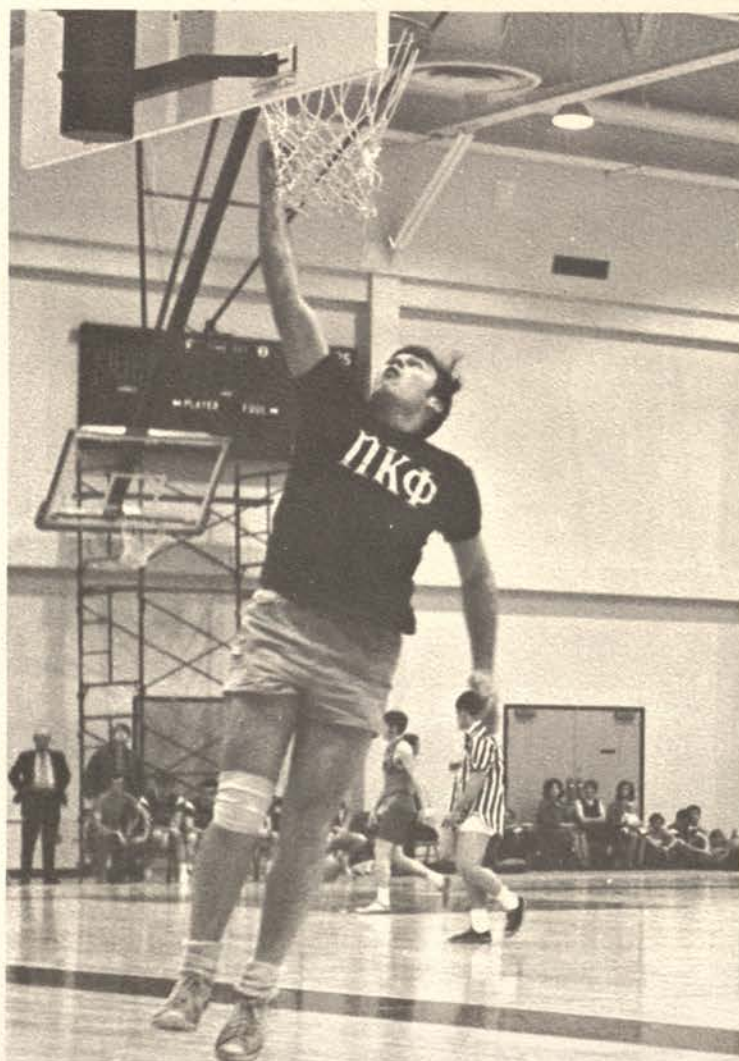
With the hordes of people not yet arrived, these three Pikers try to persuade their brothers and dates to try their luck at the booth.





PI KAPPA PHI—ROW 1: Scherrer, P., Bentzinger, R., Mueller, M., Treasurer; Wellinghoff, E., President; Ursch, R., Secretary; Schnettler, M., Gioia, C., ROW 2: Lott, R., Dierolp, R., Ingram, M., Gioia,

M. Hetzel, D., Hegger, G., Korzep, G., Janoch, G., Harbert, D., ROW 3: Easterly, M., Smith, C., Jones, K., Hansen, K., Schneider, G., Brady, E., Kueffer, J.



Going high into the air, a member of Pi Kappa Phi lays one into the basket during the pre-game warm-up drills in the new multi-purpose building.

This one lonesome porcelain mug sitting atop the mantle, bears the crest of Pi Kappa Phi, the most recent addition to the UMR Fraternity System.





# Pi Kappa Phi builds twenty-man annex

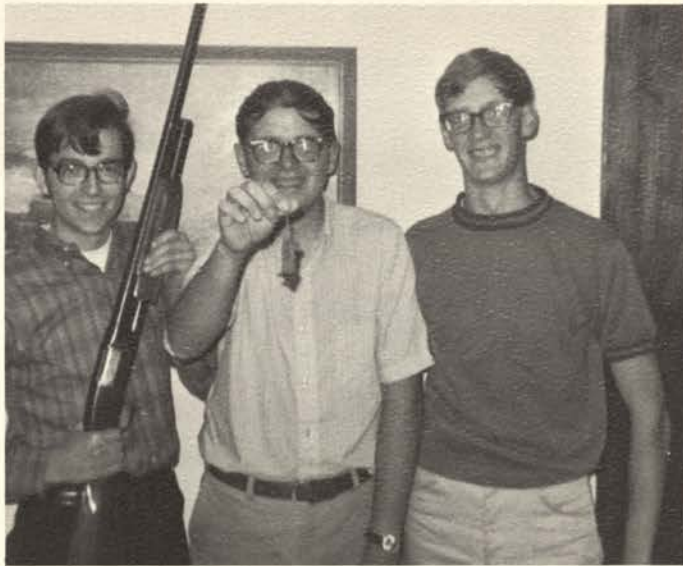
Gamma Lambda of Pi Kappa Phi is the youngest fraternity on the UMR campus, being only two years old. Youth is accompanied by growth and vigor, and through these characteristics the Pi Kaps are pursuing the facets of scholarship, leadership, sports, and brotherhood. Last year's construction of a twenty-man annex proved to be a worthy effort as a larger number of new brothers than ever before were initiated at the end of the Fall semester.

Pi Kappa Phi asserted itself in campus organizations as various brothers held positions such as President of Gamma Alpha Delta service fraternity, St. Pat's guard, chairman of the Student Union Board Environmental Subcommittee, and a member of the Miner Staff.

Although hampered during the Fall intramural season by an epidemic of injuries on the football field, the brothers had a steady upward trend during the Spring through a very inclusive participation of all the members.



Three willing workers are these men of Pi Kappa Phi as they donate a Saturday afternoon to aid in the construction of a mini-park in a St. Louis district.



Three brothers who claim to be big game hunters, display the fruits of their most recent expedition into the dense jungle surrounding Rolla.



Several brothers enjoy the leisurely atmosphere of the chapter's living room as they take it easy and pass away the afternoon with various activities.

Brother Rich Ursch chats with the National Secretary of the Fraternity while showing him a few of the pictures in the scrapbook.



Members of Pi Kappa Phi had a chance to display their skills in the areas of painting and carpentry when the new addition was added to the house.





SIGMA NU—ROW 1: Byars, R., Winfield, S., Saxton, S., Beckman, K., Brukhorst, S., President; Council, J. Montgomery, J., Treasurer; Schall, L., Durbin, R., ROW 2: Schwager, T., Byer, J., Wright, S., Gross, R., LaGrasse, J., Hotz, R., Greenley, J., Simonsen, M., Alber,

J., ROW 3: Yowell, R., Ivers, J., Blocker, A., Shinpaugh, W., Gredell, E., Jolly, J., Hunding, C., Gross, E., Phillips, J., Armstrong, M., Frischenmeyer, M.



An alert Sigma Nu back goes to the aid of his teammate who is being pursued by a lineman of the opposing team during intramural flag football.



# Sigma Nu stresses scholarship and service

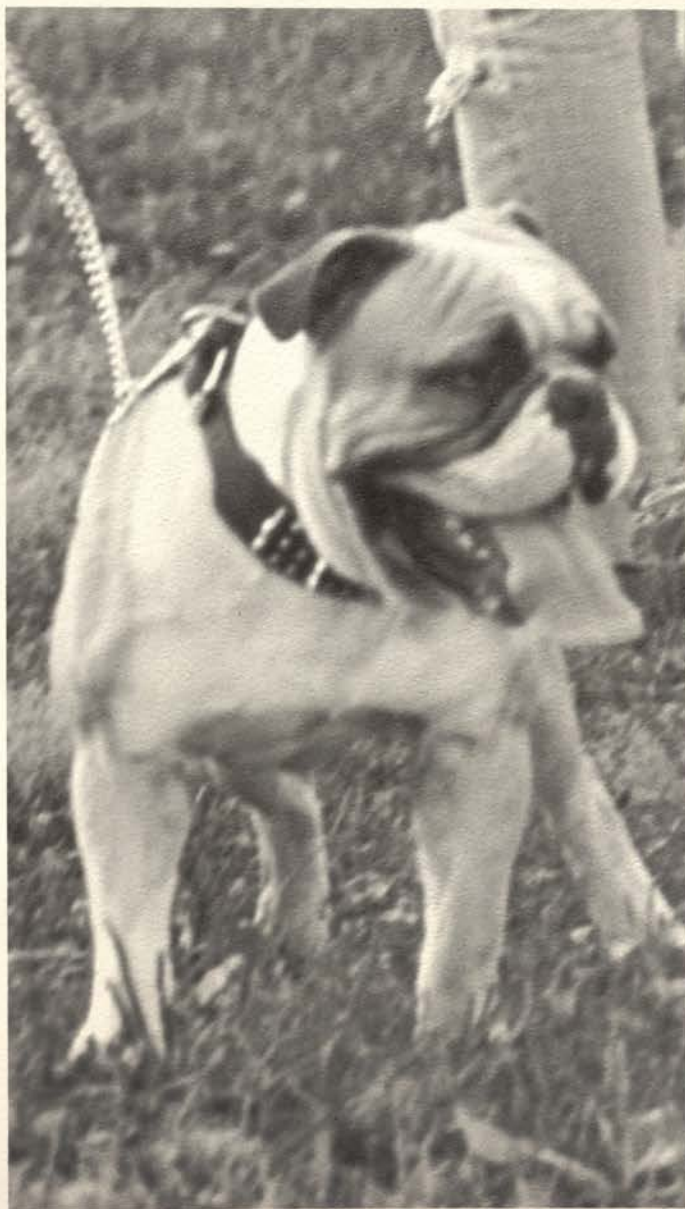
Gamma Xi of Sigma Nu, the oldest fraternity on campus, saw the 1969-70 school year as one of the best, with emphasis on scholarship and service to the school and community. In the campus spotlight the major offices held were President of Theta Tau professional engineering fraternity, President of S.P.E. and A.S.M.E., Secretary of A.S.C.E., and Treasurer of the S.P.E. Along with these accomplishments, a total of ten brothers were members of Theta Tau engineering fraternity.

The social activities of the year were highlighted by a very successful cave party during Homecoming. Christmas Party made the Christmas season a little brighter for underprivileged children, for as during the past few years, the brothers were again host to a few of the less fortunate children of Rolla and the surrounding area. For the second year during St. Pats, Sig Nu's special tea was the highpoint of the weekend. The brothers of Sigma Nu have certainly had a very prosperous school year.

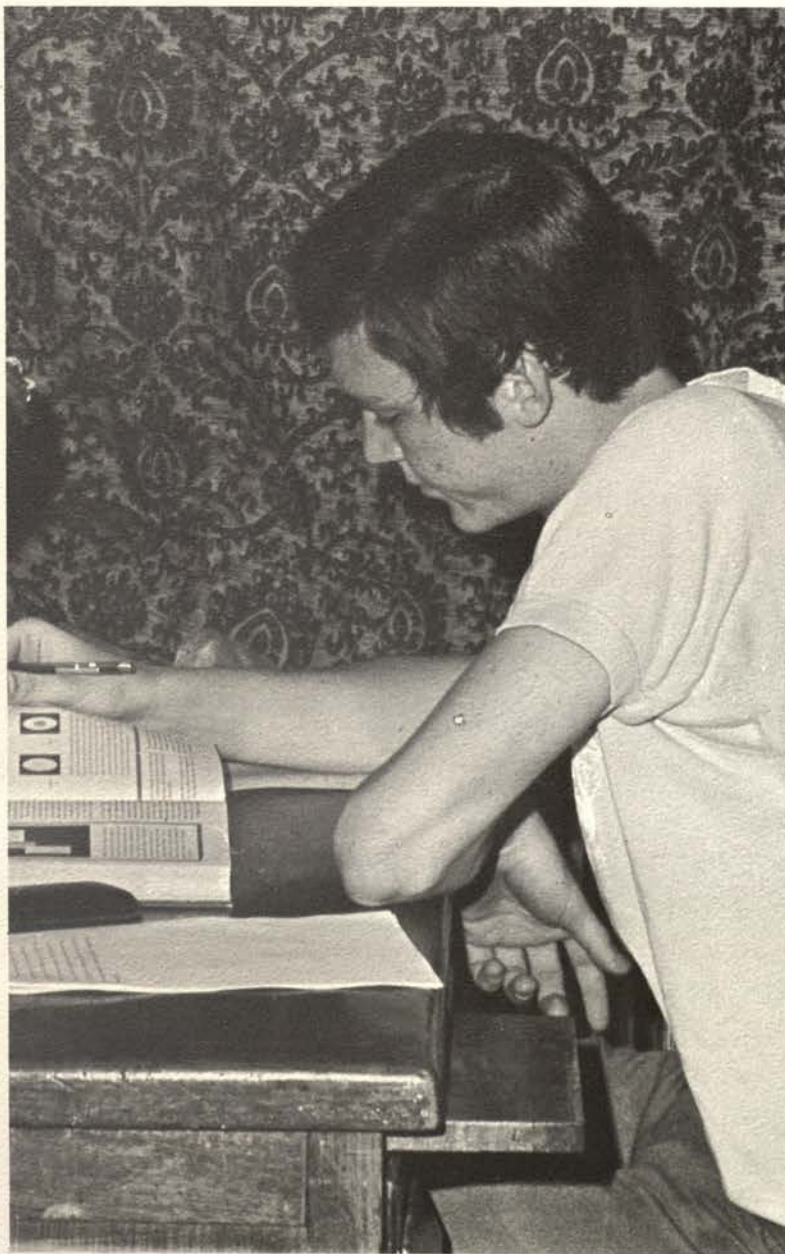


One unexcited member of Sigma Nu looks on passively as an excited carnival lover takes another chance at one of the various 1970 Greek Week booths.

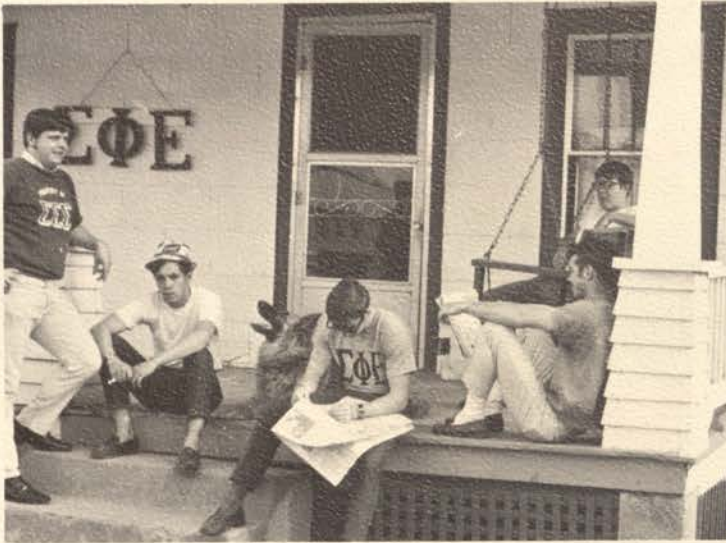
A studious brother whiles away the evening hours preparing for a really big quiz the next day, or so it would appear to the Rollamo photographer.



Finding the Elysian Fields as overwhelming as did the greeks of UMR, Sig Nu's mascot takes a minute to size up the happenings around him.







Only some two hours early, Mike Rood and four of his brothers leisurely wait for the dinner bell to strike with a newspaper and some magazines.

A Sig Ep Barker uses his gift of gab to attract customers to his booth at Lion's Park during the IFC Carnival Friday night of Greek Week.



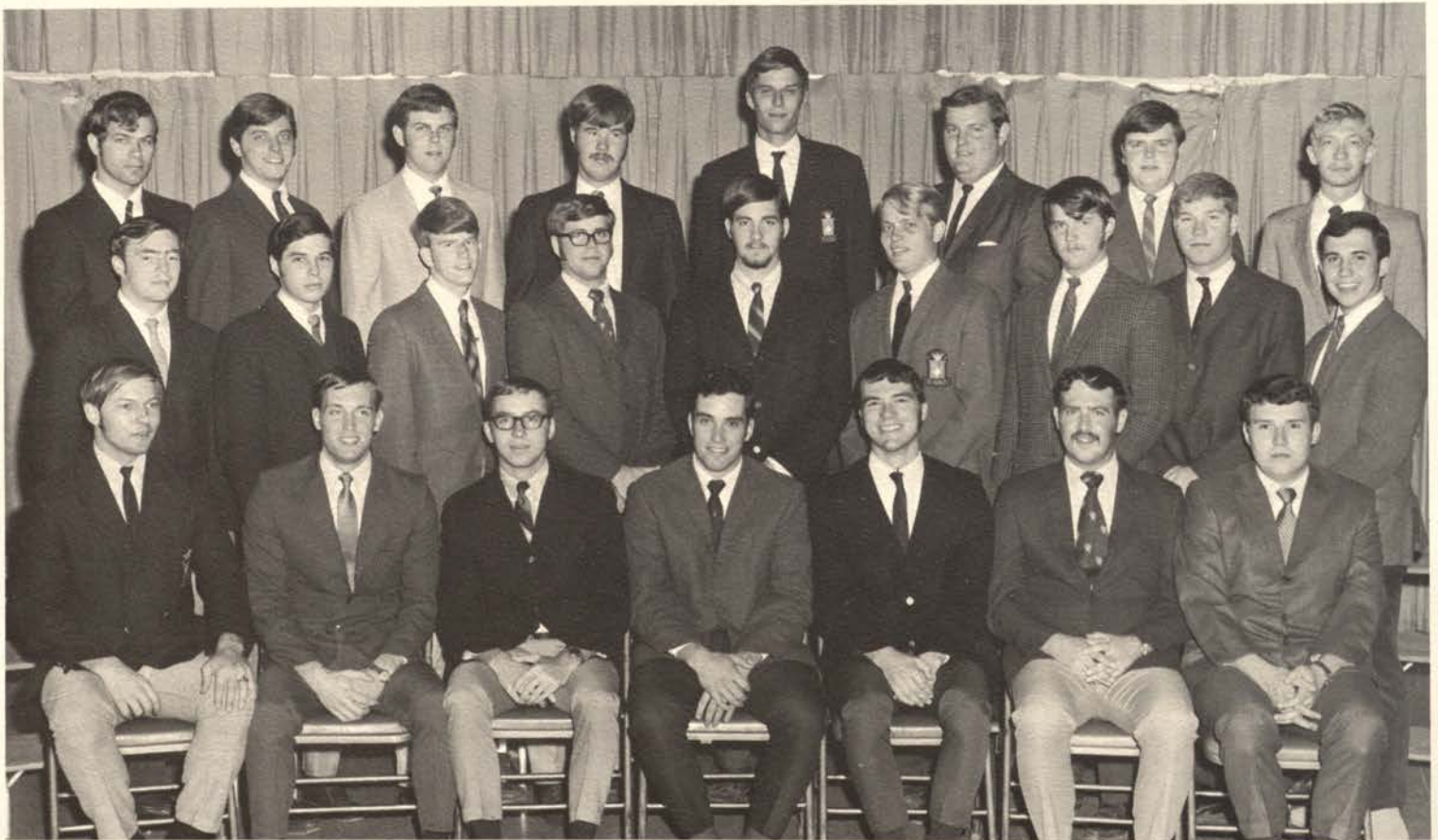
## Sigma Phi Epsilon prepares to move into new home

This year the men of Sigma Phi Epsilon moved to temporary quarters at 305 9th Street and 805 State Street while work was in progress on their new house which will be located at the site of their old house, 801 Park Street. Completion date is set for July 15, 1970, on the three story-full basement structure. When completed it will house 82 men in style and comfort. The men of Sig Ep are certainly looking forward to their new home.

A new meaning was given to work week for the pledges this Fall. Through the help of the Red Cross and Father

Carlo of the Episcopal Church, they traveled to St. James to help an underprivileged family there. Extensive repairs were made on the house, such as plumbing, electrical wiring, and sealing the windows, as well as a thorough clean-up of the house and surroundings.

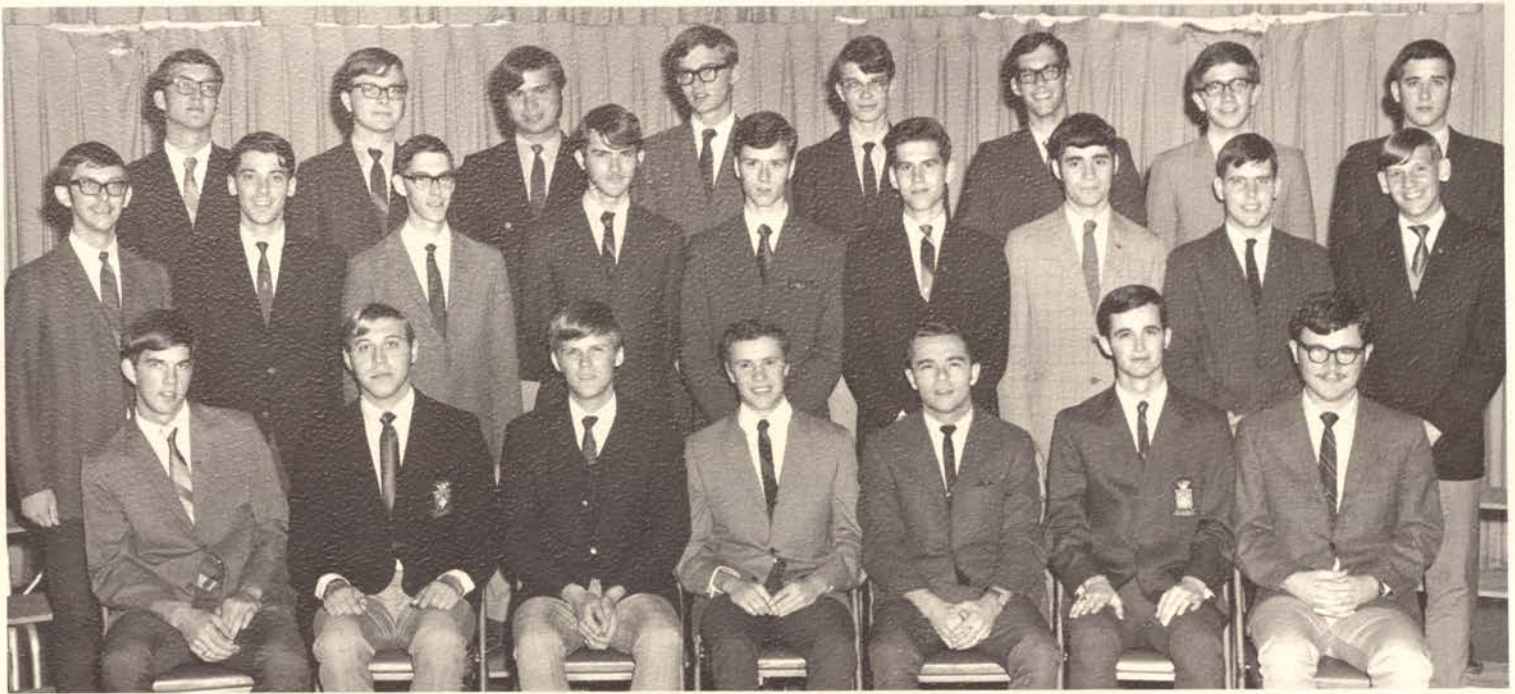
Sigma Phi Epsilon was actively represented on campus in the St. Pat's Board, Theta Tau, and Blue Key. Because of their consistent participation in all forms of intramurals they received the consolation trophy.



SIGMA PHI EPSILON ROW 1: Wiechens, S., Harting, B., Dexter, J., Vice-President; Eilers, R., President; Everett, J., Wortham, R., Collier, C., ROW 2: Drennen, T., Harris, J., Hall, R., Postlewait, T.,

Barger, C., Meiners, B., Glenn, G., Dieker, S., Brown, R., ROW 3: Pendergast, B., Grimm, J., Merlenback, C., Green, E., Wolf, M., Huff, J., Rood, M., Mayberry, S.





SIGMA PHI EPSILON—ROW 1: Hendren, L., Owens, P., Thies, S., Schweiter, F., Welte, J., Phelan, M., Moore, J., ROW 2: Peterson, R., Gault, R., Robb, D., Ross, M., Silies, K., Routh, R., Ackley, B., Wesley,

M., Winnie, H., ROW 3: Wappelhorst, G., Rothermich, E., Podgornik, N., Grelle, D., Wessel, G., Craven, S., Goodding, J., Francis, R.



A Sig Ep tries to convince his date that his cooking really isn't that bad. The camera fails to capture the somewhat apprehensive look on her face.

Sigma Phi Epsilon's friendly mascot, Lobo, is always around to welcome a visitor. Here he flashes his teeth as a friendly hello to the photographer.



Sig Ep plans to start the 1970-71 school year in style with a new house. This is how the huge structure looks as it closes in on completion.





SIGMA PI—ROW 1: Elliott, J., Zweig, G., Alexander, W., Conger, G., President; Lajeunesse, C., Vice-President; Steckel, G., Treasurer; Heisler, D., ROW 2: Shockley, R., Bishop, W., Oberbeck, W., King, T.,

Taylor, R., Raterman, M., Scoggins, K., Schaffer, C., Woods, C., ROW 3: Marshall, B., Vandeboe, A., Weidner, B., Gosfe, R., Barr, R., Hagens, M., Hampel, J., Dudzik, B., Moenster, B.

## Sigma Pi builds St. Pat's Queen's float

"Sigma Pi—Symbol of Progress," the theme of Sigma Pi's last national convocation, was the guideline of Alpha Iota chapter's actions for the 1969-70 school year. Progress in almost every aspect has taken place for the Chapter, and the future promises more. The Brothers ranked second in fraternity scholarship, high in the intramural standings, and held numerous responsible positions in the Student Council, Student Union Board, KMSM Radio, the Missouri Miner, and many other professional and hono-

rary societies.

Sigma Pi had the honor of building the Queen's float for St. Pat's 1970 after taking first place honors in 1969. The Sigma Pi quartet also brought honor to the House as they won an impressive first place in the IFC Sing for the second consecutive year. The members were instrumental in forming the coed group, "The Little Sisters of Sigma Pi" which, during the latter part of the year, became a fully recognized sorority, Lambda Sigma.

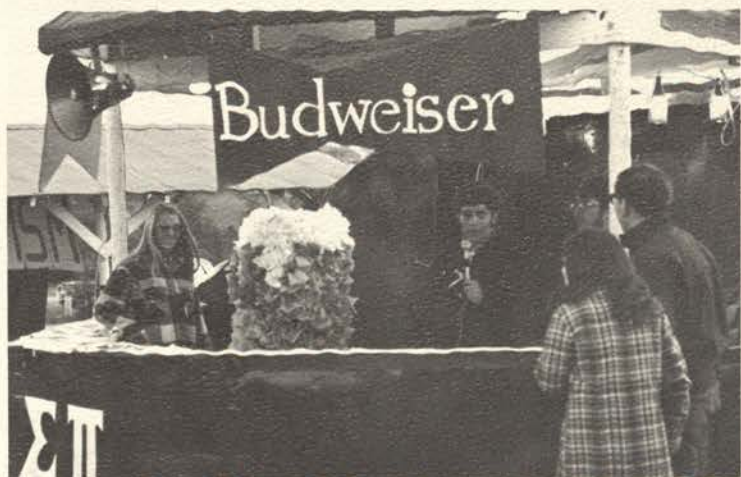
Sigma Pi displays its great enthusiasm for the school football team while adding intensity to the Miner's annual Homecoming celebration.





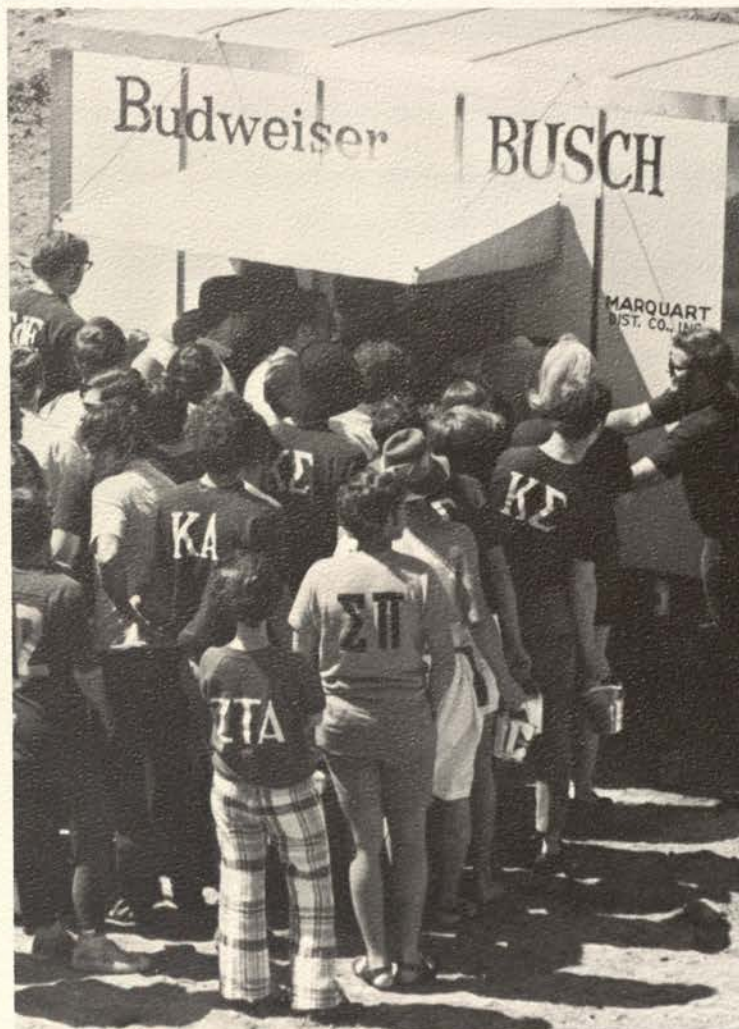


Two industrious members prepare for the evening meal, which is served in the homey atmosphere of the chapter house dining room.



As the sun begins to set and the first customers begin to arrive, members of Sigma Pi get ready for the coming masses of people.

A single Sig Pi waits patiently in line for his turn to come at the beer wagon, as did many other greeks at the Elysian Fields during the games.



SIGMA PI—ROW 1: St. Peters, M., Larcker, D., Kossmann, P., Griffin, R., Limmer, S., Merten, P., Burgard, W., ROW 2: Davis, R., Deprat, R., Geringer, K., Cagle, E., Remley, R., Page, J., Jenne, J.,

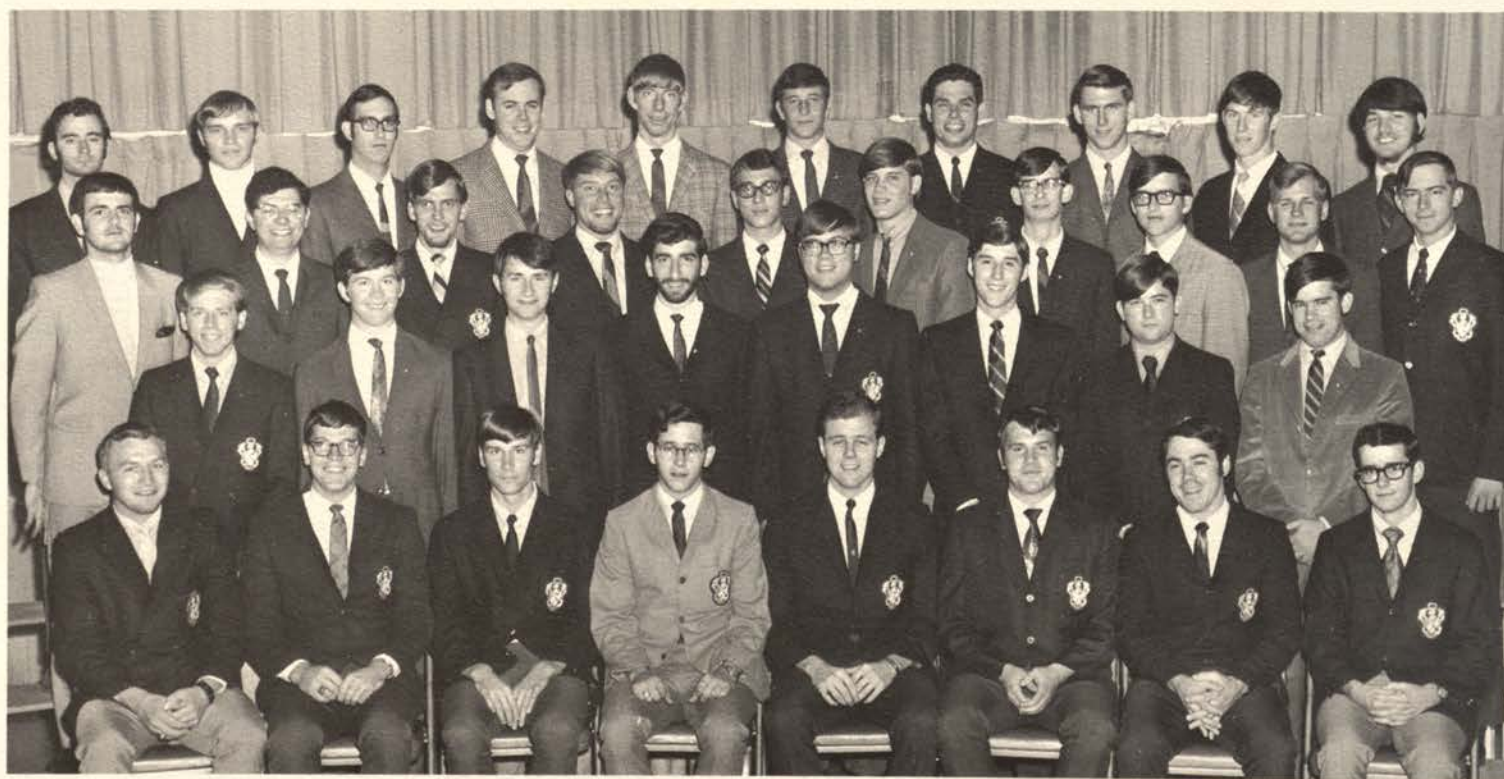
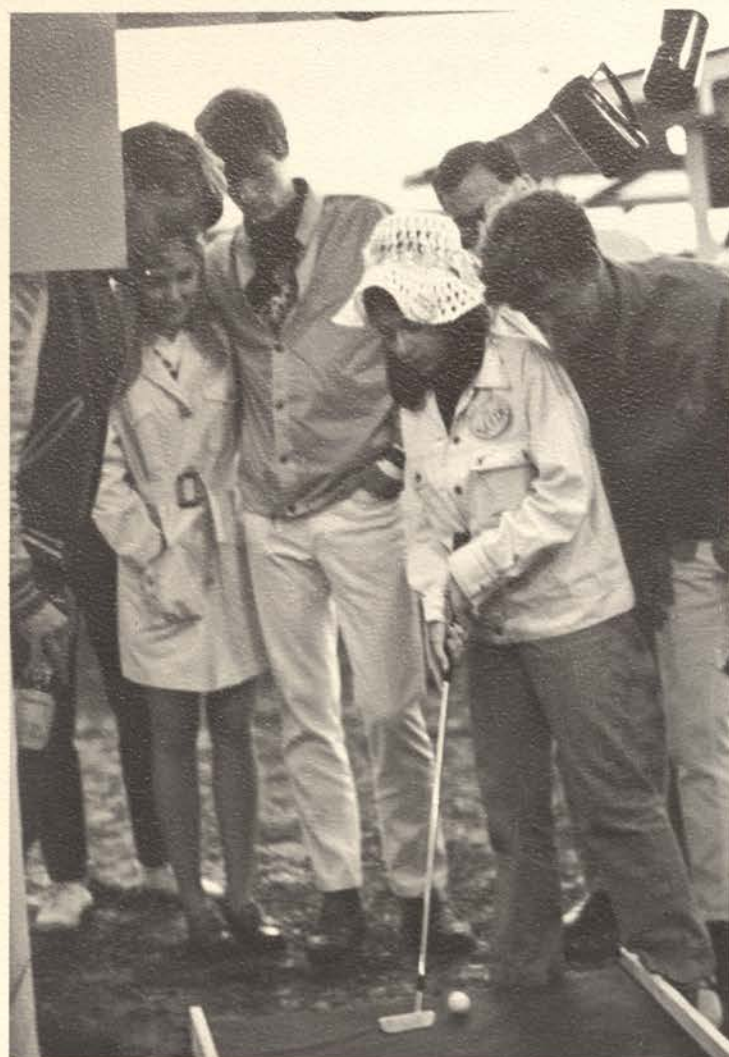
Wasem, C., ROW 3: Lyons, P., O'Leary, D., Drobnick, G., Rogers, C., Gould, M., Cortopassi, S., Curtis, M., Vance, K.





Greg Kotys of Sig Tau appears to have run out of scrambling space, but his quick feet and elusive maneuvers netted another several yards for him.

Looking on intently as his date takes in a few rounds of golf, this brother prays that she will win another beer mug for him to add to his collection.



SIGMA TAU GAMMA ROW 1: Kurtz, T., Elfriwle, M., Doering, F., Treasurer; Naber, T., President; Markham, R., Vice-President; Stefansky, T., Scheumbauer, J., Halloran, J., ROW 2: Steffen, E., McMillan, D., McWeeney, B., Pagano, A., Sicking, M., Douglas, T., Hutchins,

G., Harris, G., ROW 3: Doyle, R., Bellm, R., Robb, D., With, J., Kostic, D., Sauerwein, R., Crutcher, M., Blackwood, J., Hahn, D., Hoffmann, D., ROW 4: Vardiman, S., Kotys, G., Evans, J., Bakula, J., Waeltermann, D., Murphy, B., Leigh, T., Niehoff, M., Wallace, J., Wall, B.



# Sig Tau announces plans for expansion

The brothers of Alpha Omega of Sigma Tau Gamma this past term have strived for brotherhood and leadership. Their members held the offices of Vice-President of the St. Pat's Board, Vice-President of Alpha Chi Sigma professional chemical engineering fraternity, and Captain of the varsity baseball team. In recent elections Sig Taus have been posted as President of Theta Tau, President of the UMR Soccer Club, and Vice-President of the St. Pat's Board.

The brothers are very proud to announce that they will soon be living in new quarters. Plans and drawings are being finalized for their new house, which will be under construction in the near future.

Striving for scholastic attainment is the brothers main objective, but they rounded out the year by participating in all the intramural sports and producing the finest parties and social events in their history.



One brother and his date appear to find the whole thing rather amusing as they warm up for the wheel-barrow race during Greek Week at the Elysian Fields.



While waiting to eat dinner, these members find pleasure in a short game of keep away, an enjoyable way to antagonize ones best friend.

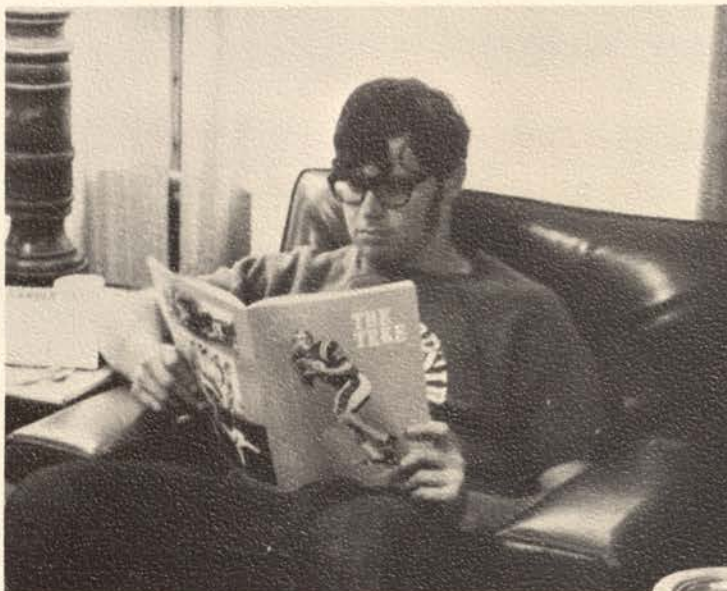


Santa hurriedly swigs down some liquid refreshment while two brothers look about in anticipation of what might happen next and to whom it will occur.

Several brothers and a couple of dates find some time to discuss what has transpired so far on Homecoming party weekend at Sigma Tau Gamma.







There is always time to relax and thumb through the "Teke", a publication of the national fraternity, which is more interesting than calculus.



Chariots must be in top shape for judging of the best looking vehicle. Here a brother applies finishing touches while awaiting the judges.

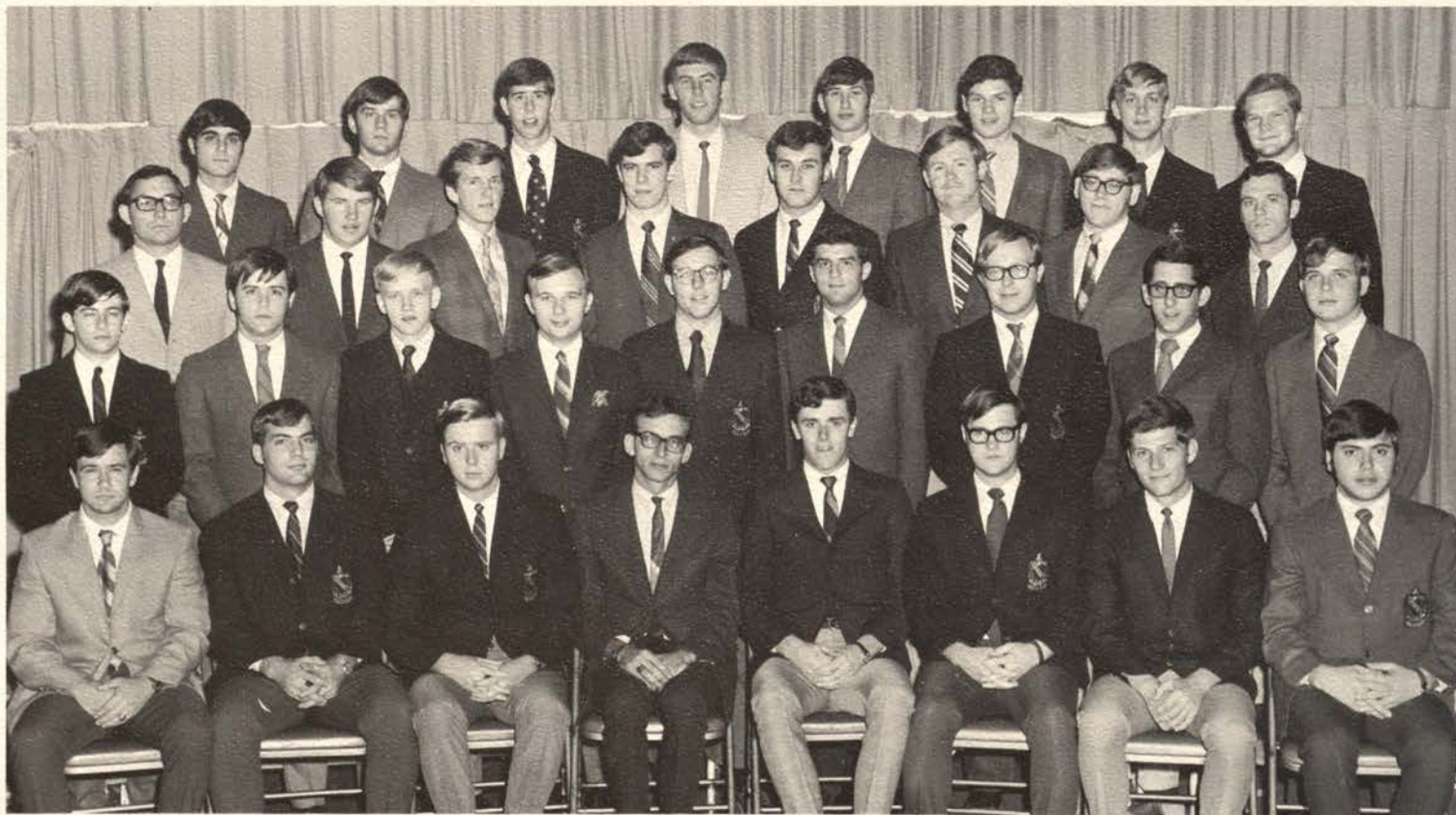
## Tekes win annual IFC Christmas Sing

This past year has been highlighted by a number of accomplishments for the men of Tau Kappa Epsilon. On campus TKE's held the offices of President in the IFC and St. Pat's Board. Eric Dunning reigned as St. Pat, while being named to Who's Who with John Lambert, and Carm Moehe served as a God for the Greek Week Festivities.

The largest Spring '69 initiation class of twenty-six men provided much of the vocal power in winning the annual IFC Sing. The brothers showed spirit unlimited in

boosting TKE to a third place finish in football, a second in wrestling, and a high placing in many other intramural sports.

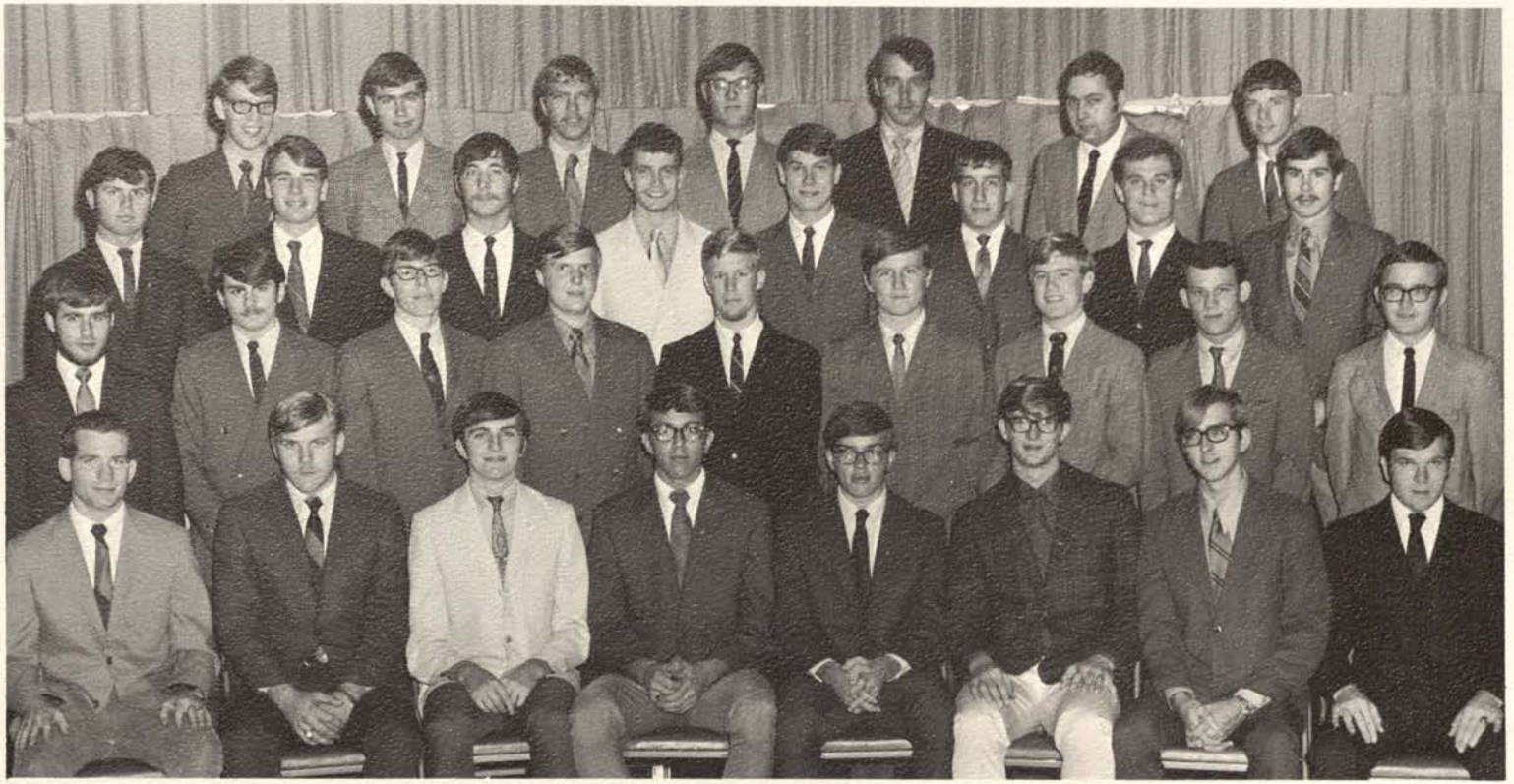
During the past year Beta Eta chapter began to organize house functions better. Much time and work were put into the formation of a chapter alumni organization, while an aggressive public relations program was initiated, which included painting the old train at Frisco Pond.



TAU KAPPA EPSILON—ROW 1: Politte, J., Kremer, J., Bain, E., Constance, S., Lambert, J., President; Praznik, G., Williams, J., Mahanna, A., ROW 2: McFadden, T., Roche, R., Kenyon, R., Bertschmann, D., Anderson, B., Williams, D., Brychta, J., Bernstein, D., Cribb, J.,

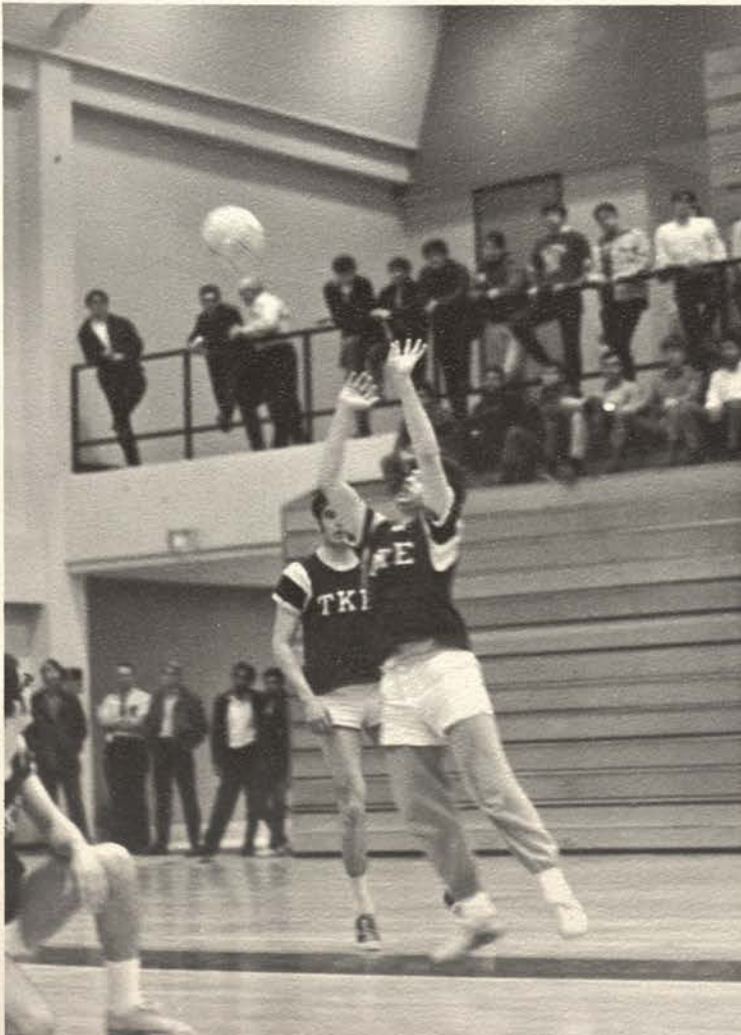
ROW 3: McElyea, T., Williams, T., McBroom, T., Rodems, R., Puettmann, D., Stucker, J., Bollam, R., Antonacci, L., ROW 4: Campo, C., Brandenburg, D., Evers, B., Reinker, L., Betael, M., Herbst, R., Orcutt, R., Brock, J.





TAU KAPPA EPSILON—ROW 1: Schwartz, G., Mitchell, T., Lang, R., Wiley, G., Blahut, J., Hendon, W., Walker, G., Weaver, T., ROW 2: Dattilo, M., Hofmeister, T., Head, D., Anderson, K., Bergtholdt, S., Terry, M., Larson, D., Latal, D., Mayfield, N., ROW 3: Keegan, D.,

Homeyer, S., Bright, R., McFadden, R., Loeffelman, A., Goforth, D., Boss, D., Sanuskar, A., ROW 4: Weindel, G., McCrackin, D., Dunn, R., Schroeder, J., Moellering, D., Ernst, R., Kasten, R.



A Teke sets up a brother on the front line for another spike as the many excited spectators look on as they chalk up another volleyball victory.

Through maintaining a safe distance from all other participants, these three members show that a water fight can be more fun with a fire extinguisher.

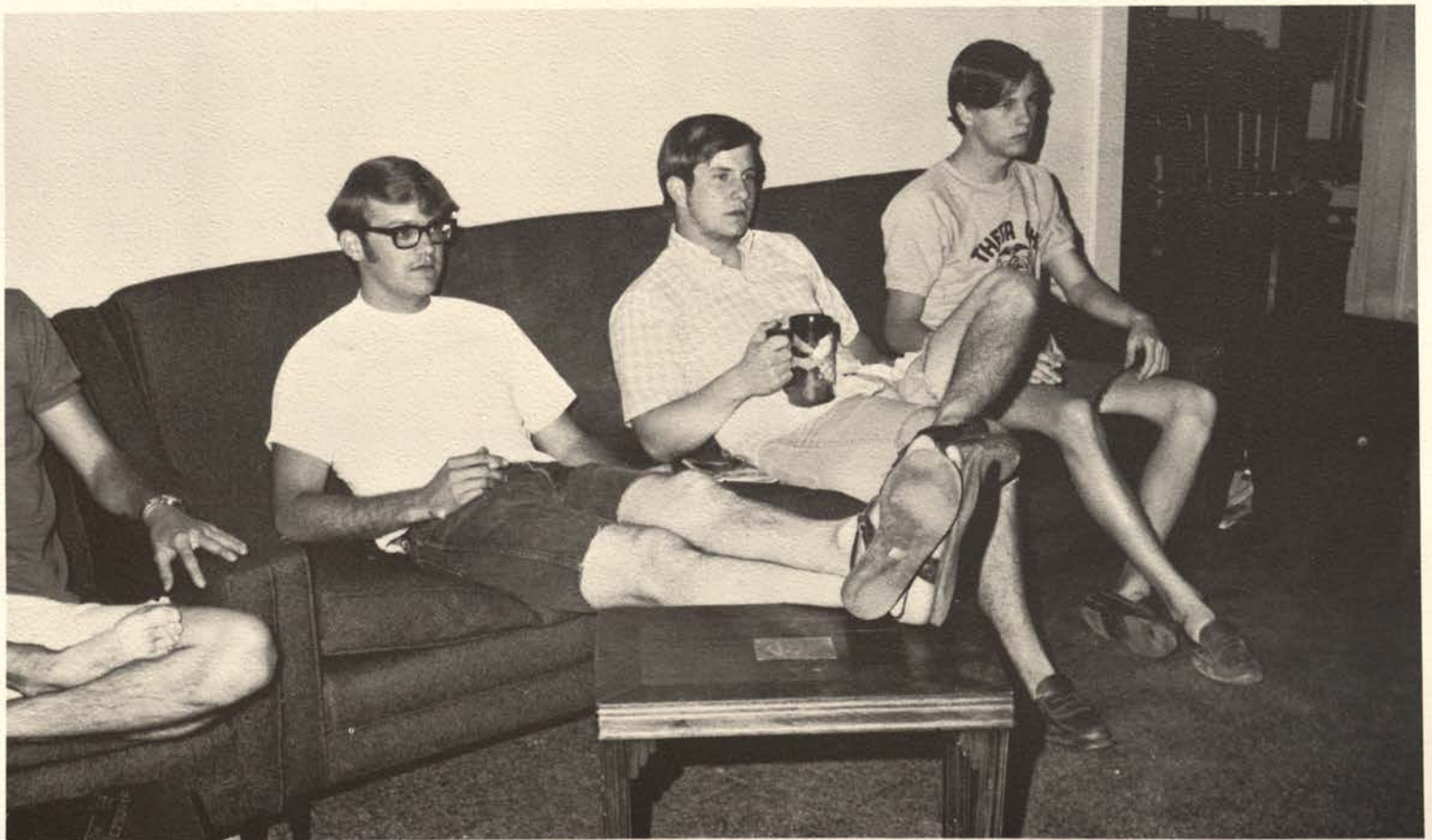






THETA CHI—ROW 1: Meyer, J., Dierker, S., Treasurer; Herzog, B., President; Harmon J., Vice-President; Welgel, D., ROW 2: Buechel,

R., Biagioli, A., Farrell, J., Niemeyer, T., Campbell, P., ROW 3: Hoermann, D., Burns, R., Woestendiek, E., Boehr, J.



Watching a TV program in the living room, these members take it easy after dinner before beginning the night-long grind of studying and working problems.



## Theta Chi initiates new building fund

The Epsilon Chi chapter of Theta Chi has made several improvements during the past year at the expense of intramurals and campus involvement. As the chapter became more grade conscious they formulated a new scholarship program in hopes of regaining the IFC Scholarship Improvement Trophy. Also the brothers have directed their energies toward starting a building fund as they continue in their plans for a new chapter house. Considerable effort was also given in forming an alumni foundation and in bettering overall active-alumni relations.

This past year has seen Theta Chi's rush program completely renovated due to an uneventful rush last year. This year with open rush, the brothers have their plans well under way and feel that their program will effectively meet the needs of the membership drive.

By increasing the summer board bill, the brothers made improvements on the house over the summer. Aside from painting the house and laying a stone patio and barbeque pit, a few other minor improvements will surely add to the appearance of the house.

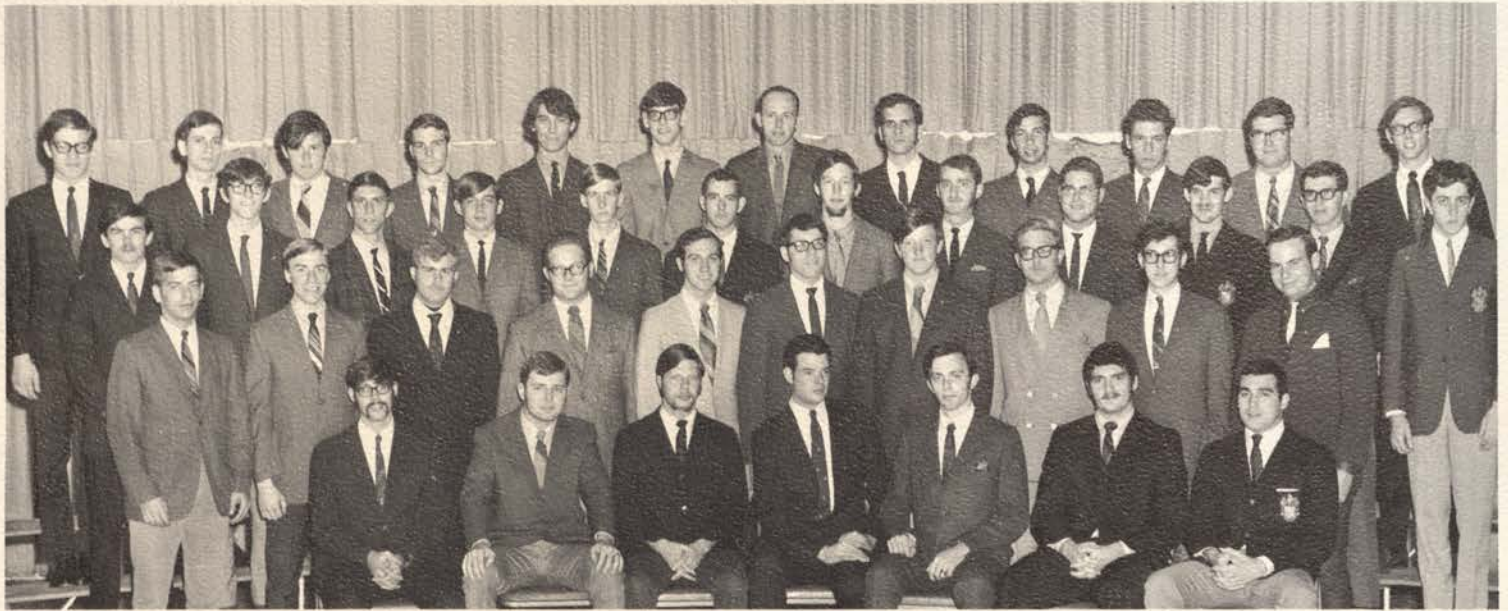


The Theta Chi house, located at 1202 Bishop, offers a home-like atmosphere and lasting friendships to the men who enter through its threshold.



Brother Dan Hoermann seems to be frightening this pretty customer, but with a little coaxing he manages to get her to enter the Theta Chi mouse race at the IFC Carnival.





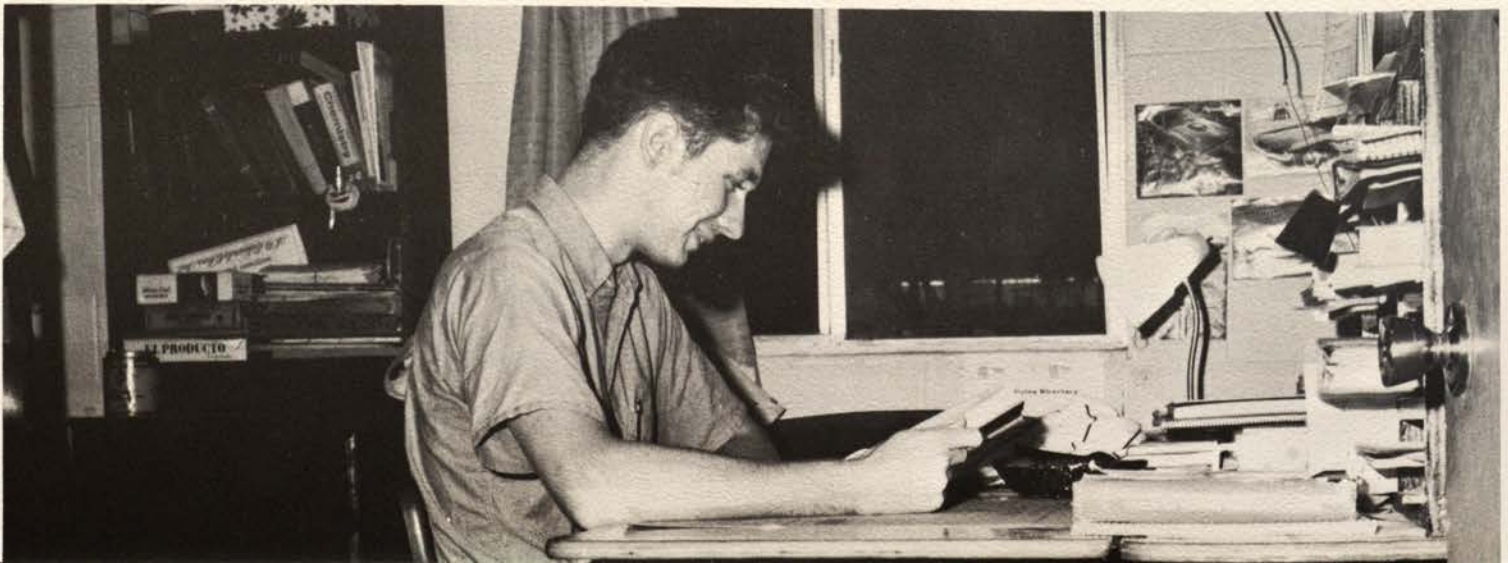
THETA XI—ROW 1: Ury, J., Walters, M., Reinhardt, P., Vice-President; Sterett, K., President; Evans, J., Secretary; Hasselfeld, R., DeJohn, A., ROW 2: Eyler, L., Wagner, P., Himes, L., Buckner, J., Kuehl, G., Sullivan, R., Davis, J., Bruemmer, J., Fahy, M., Carson, R., ROW 3: Jilg, M., Callender, M., Erdmann, F., Brickey, D., McBride,

D., LLewellyn, D., Doremus, M., Flatt, W., Leuschke, G., Hurst, J., Talbert, K., Murray, R., ROW 4: Bothwell, G., Lewis, J., Hackney, W., Protte, G., Ploch, D., Race, T., Anderson, J., Ross, L., Glos, G., Kuss, J., Klahs, J., Parks, J.



With several spectators standing by and the opposing defense readied, Theta Xi's offensive squad prepares for another powerful surge down the field.

Finding the atmosphere of the Theta Xi chapter house quite conducive to studying, some people can even manage half of a smile while involved in bookwork.





# Theta Xi shows increase in house membership

Through an excellent rush program and the extensive efforts of the brothers, Theta Xi made a significant expansion in membership during the 1969-70 school term. Starting the new decade of the Seventies with a capacity house, the men turned their attention to the betterment of its existing location. With the assistance of all of the brothers, a fireplace and a recreational center were constructed in the annex basement, enhancing the homelike atmosphere that a fraternity should have.

The goal of every fraternity is a fine balance between intramural competition and scholarship. Theta Xi enjoyed this balance this year by having a fine flag football season and by maintaining a house gradepoint average above that of the all men's average.

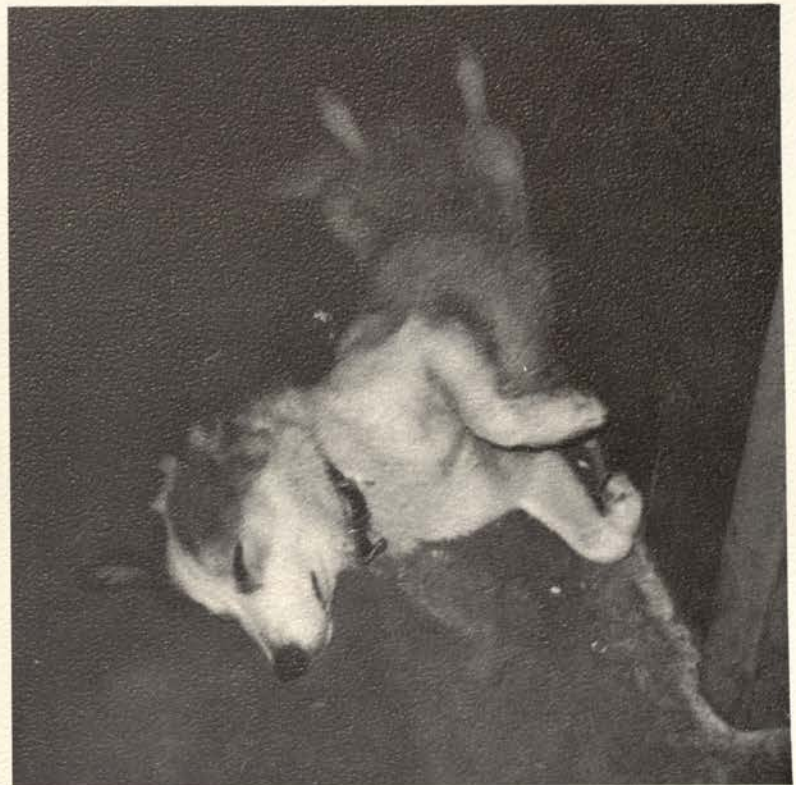
With these goals attained, redoubled morale, and plans for a new house presently being formulated, the men of Theta Xi have met their fraternal ideals.



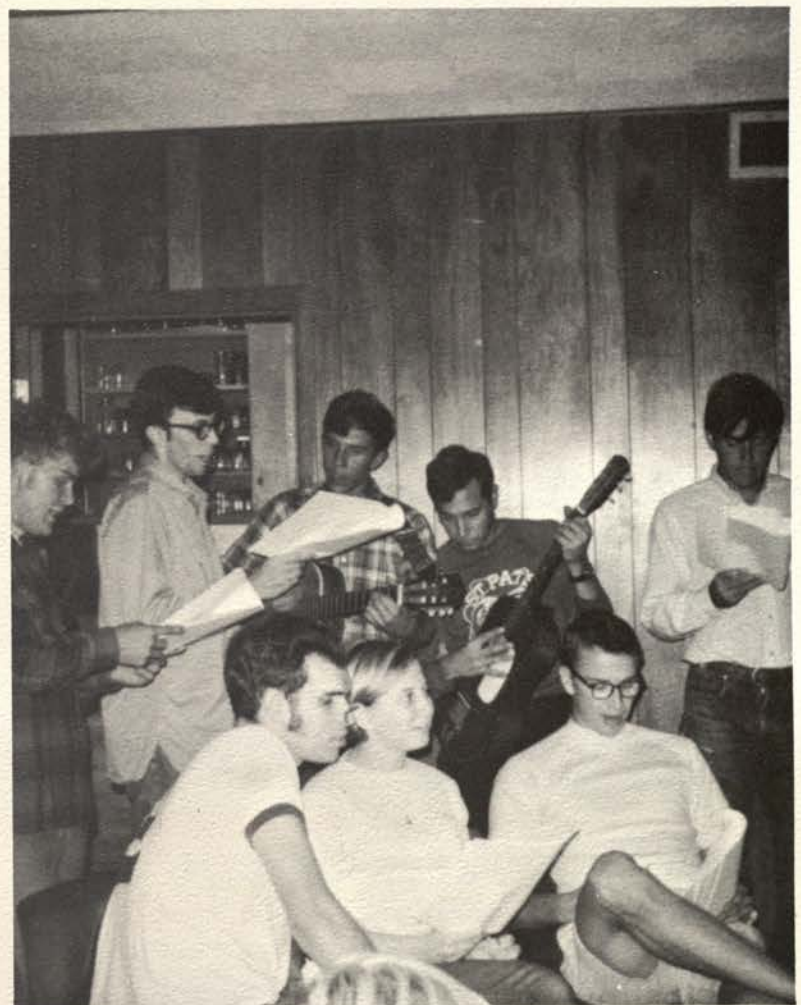
Though finding the life of a UMR varsity wrestler somewhat strenuous, brother Jack Myers usually manages to come out on top in his matches.



These men of Theta Xi carry a girl with them wherever they go, but this last St. Pat's they chose to disguise her as a giant shillelagh.



Having found life in the fraternity house quite demanding on his part, Theta Xi's mascot decides to take a breather and catch a quick forty winks.



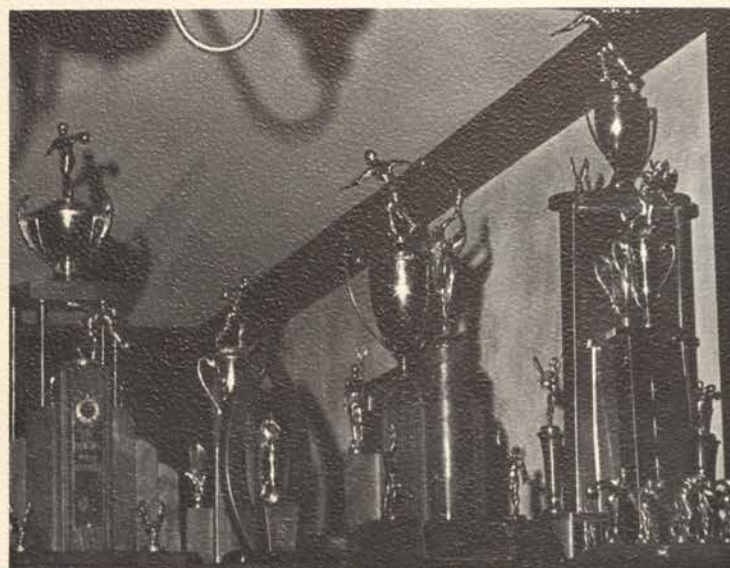
Several brothers and a girl friend take time to sit around the fireplace and sing some old tunes to the accompaniment of two house guitarists.





Fred Gatewood proudly steps forward to receive the IFC Bridge Trophy from Professor Cole who announces this year's champs to be Triangle.

The Triangle bowling team again maintained its credible position on the lanes by placing second in this year's intramural tournament.



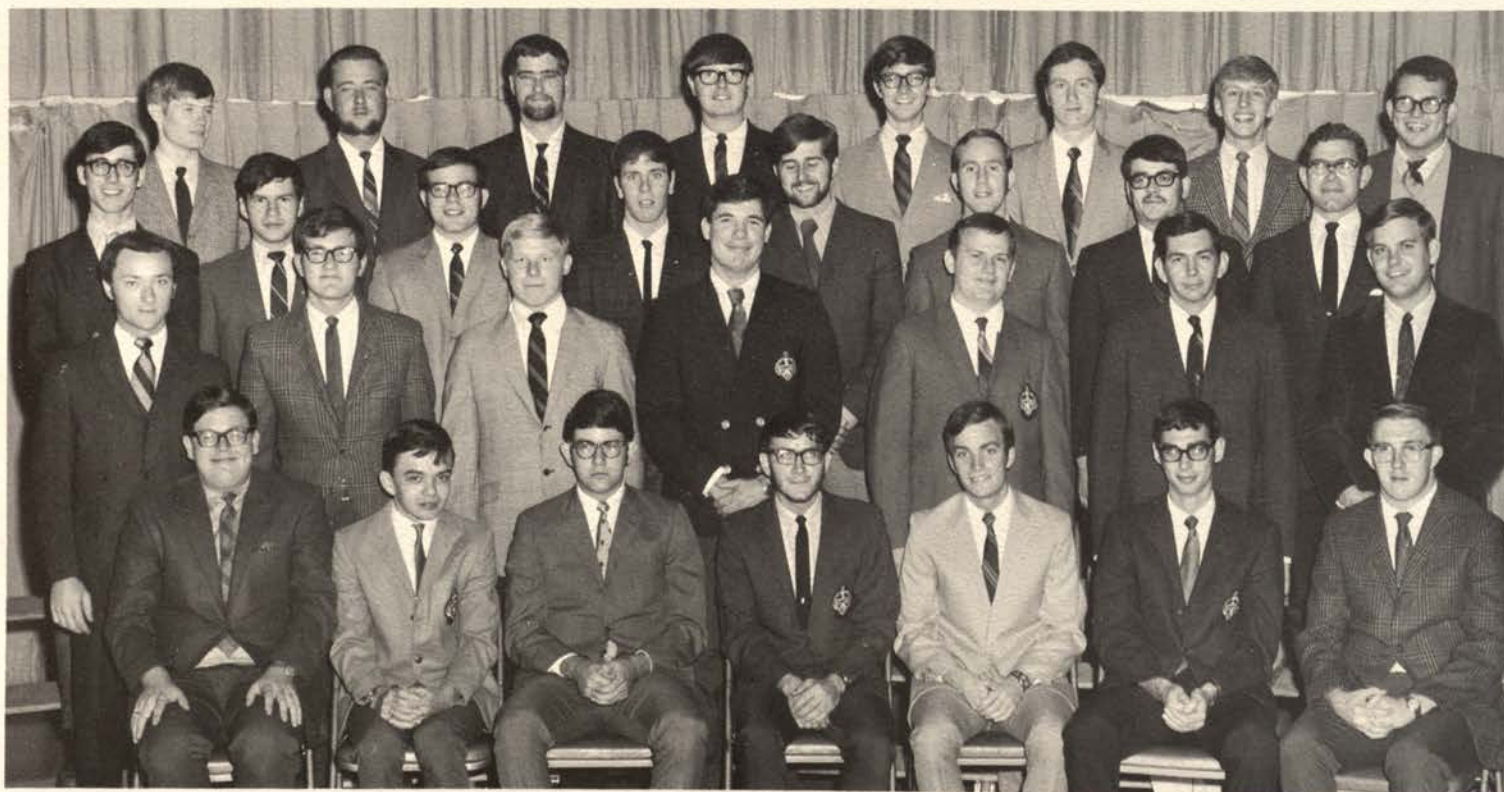
## Triangle culminates a progressive year

The brothers of Triangle completed a successful year, stressing fraternal unity, scholarship, and leadership. Triangle, the professional and social fraternity of engineers, was well represented on campus with President of AEG, President and Vice President of Alpha Phi Omega, and Vice-President and Treasurer of the IFC. Other offices held include Associate Editor of the Rollamo and Director of the Student Union Literary and Music Committee. Triangle was honored to have John Harris serve as Zeus during Greek Week, and Charles Laderoute was named to the top eight fraternity men of the year. The Missouri Mines Chapter received national honors as two members

were recognized as Top Triangles on American College Campuses.

In the public interest, the brothers made a trip to St. Louis, for the construction of a recreation center. Several members also worked this year with cub scouts of the Rolla Diagnostic Center.

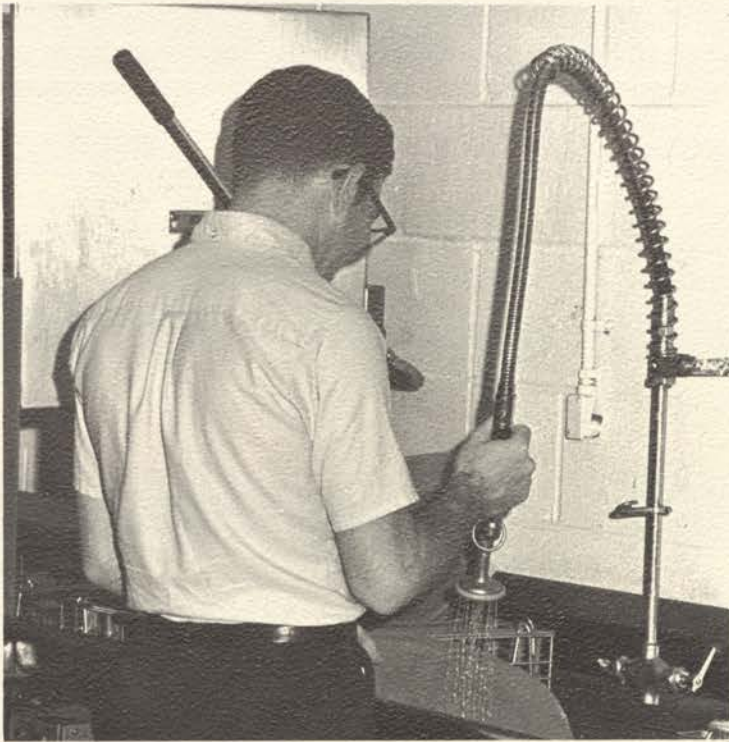
The highlight of the social year was Christmas Party Weekend, as the Triangle House placed second in the Optimists' Decorations Contest. The brothers kept a house average in the upper half of the IFC scholastic standings, and the Fall pledge class placed third.



TRIANGLE ROW 1: Holt, M., Bullock, L., Treasurer; Gatewood, F., Laderoute, C., President; Sostman, J., VonKaenel, F., Langemach, W., ROW 2: Carpenter, D., Tebow, D., Herr, M., Motsegood, G., Webrzyn, J., Heien, R., Secretary; Polka, R., ROW 3: Dempsey, R., Burns,

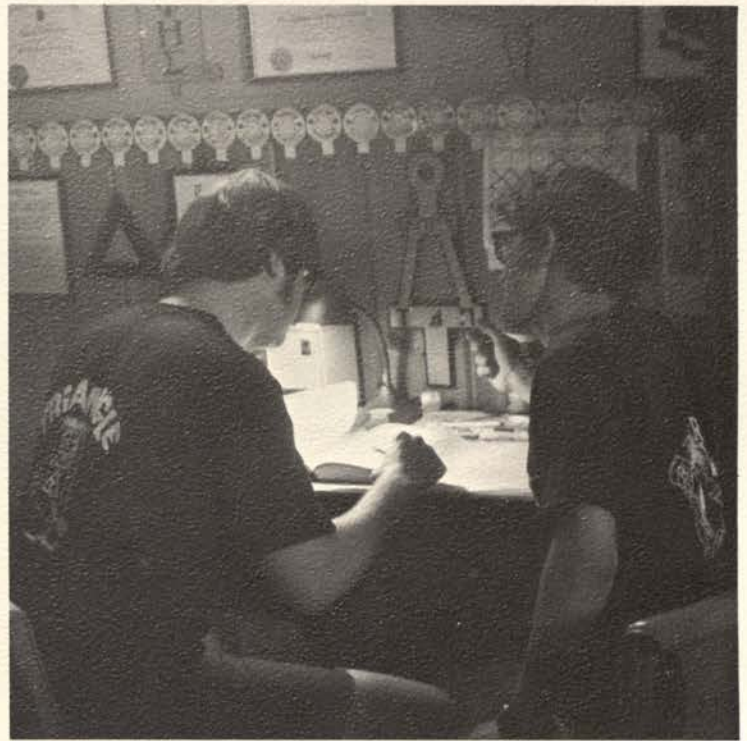
P., Ganey, D., Bauer, M., Harris, J., Buck, W., Davis, Stan., Bettis, R., ROW 4: Montemayor, P., Foster, E., Scott, K., Cook, M., Irons, T., Horton, R., Seggerman, J., Delahanty, T.





Brother Bob Bettis displays the effectiveness of the kitchen's dishwashing facilities while performing his daily assigned task in the kitchen.

Junior Mike Cook quite ably lends a helping hand to senior Chuck Laderoute in solving one of those nasty old thermodynamics problems.

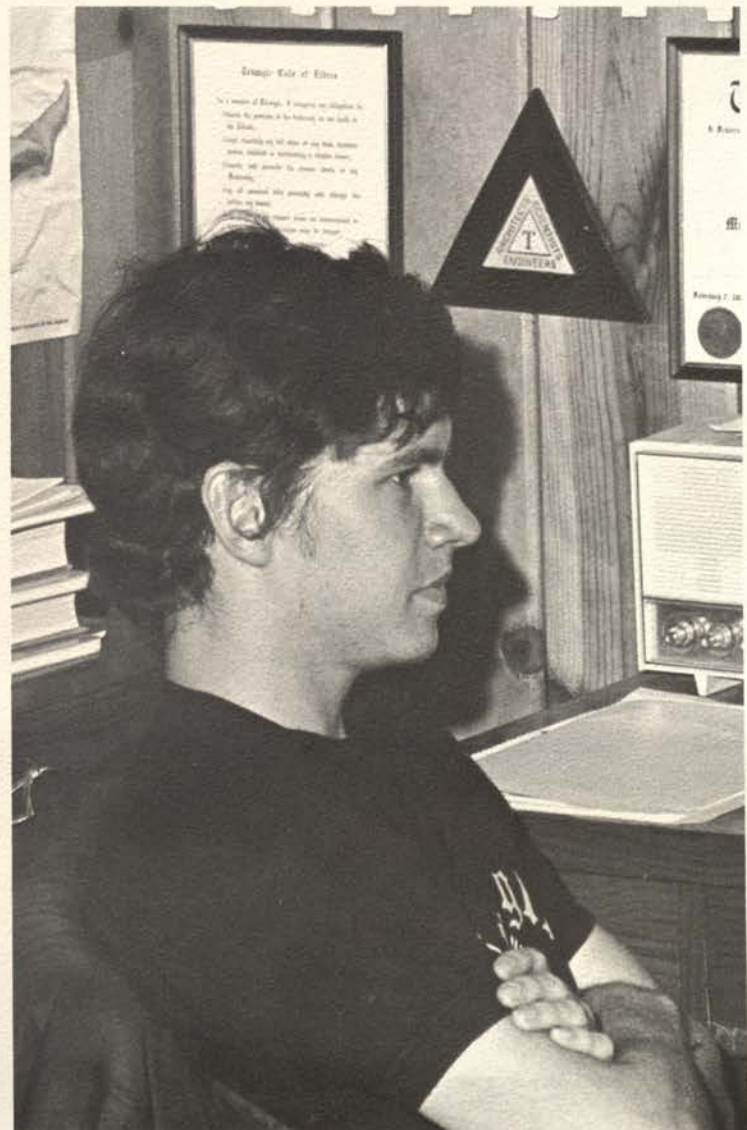


Finding it difficult to concentrate on his studies, brother Paul Burns uses his time to plan his personal activities for the coming weekend.

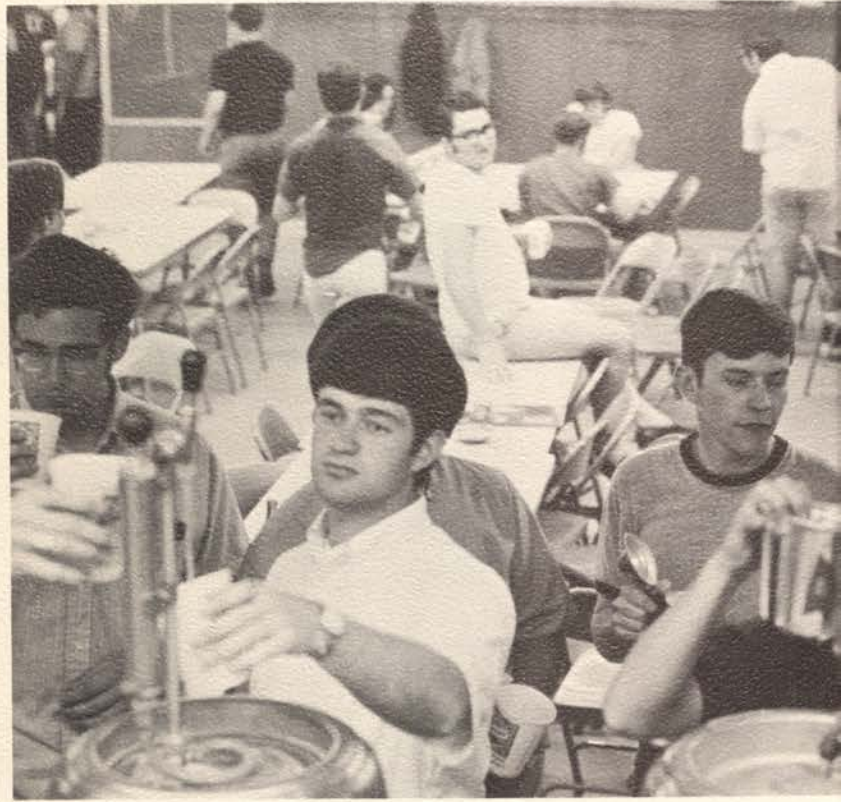


Charles Laderoute stands by watching as the president of the Optimist Club presents Stan Davis with the second place trophy for Christmas decorations.

Freshmen Dan Ganey and Mark Bauer show how they made the Dean's List last semester, lounging about in the television room of the Triangle house.











## Independents

The futile search for suitable housing . . . The decision whether or not to join an eating club . . . Then trying to decide which one to join . . . Celebrating Independents Weekend . . . Playing cards at all hours of the day . . . Attending mixers and beer busts . . . Helping to give underprivileged children a Christmas party they won't forget . . . Playing football on a Saturday afternoon . . . The concern with the future . . . Hoping that your room remains intact if you leave for a weekend . . . Being given an unexpected shower by your so-called friends . . . Or being completely covered with shaving cream because you asked to borrow some . . . Helping to raise money for various charities . . . Giving up a weekend to help the less fortunate . . . Hoping to get that expected letter . . . Getting a date for a party weekend . . . Being thrown into the pond just for being an officer . . . Opening new eating clubs.







INDEPENDENTS—ROW 1: Creech, M., Schmidt, P., Boorky, D., Clemons, R., Mason, J., Secretary; Prof. Oeffner, Advisor; Schaeffer, M., President; Turpin, L., Treasurer; Overturf, R., Bullock, G., Easterday, R., ROW 2: Davis, H., Kramer, J., Muehlbauer, R., Vidinha, L., Green, A., Breite, R., Welsch, W., Scott, D., Johnson, K., McJimsy, E., Wilson, L., Kielar, G., ROW 3: Farishon, C., Pierce, J., Parsons, J., Fischer, D., Hamilton, G., Leone, J., Maddox, D., Heinlein,

D., Wilkison, B., Unger, B., Brown, W., Branham, J., ROW 4: Seals, O., Krasik, H., Crowley, S., Boramawn, J., Hoenig, D., Schroer, D., Le-Bull, C., Stampick, M., Waddell, L., Toth, B., Raithel, J., Werner, K., Keith, R., ROW 5: Clark, R., Pennington, D., Ripplinger, D., Braun, J., Behr, M., Huskisson, W., Smart, R., Zoellner, F., Gielow, K., Koch, D., Bolt, M., Appleton, J., Muller, R., Gaines, H., Altrup, G., Hoelscher, J., Bartlett, G.

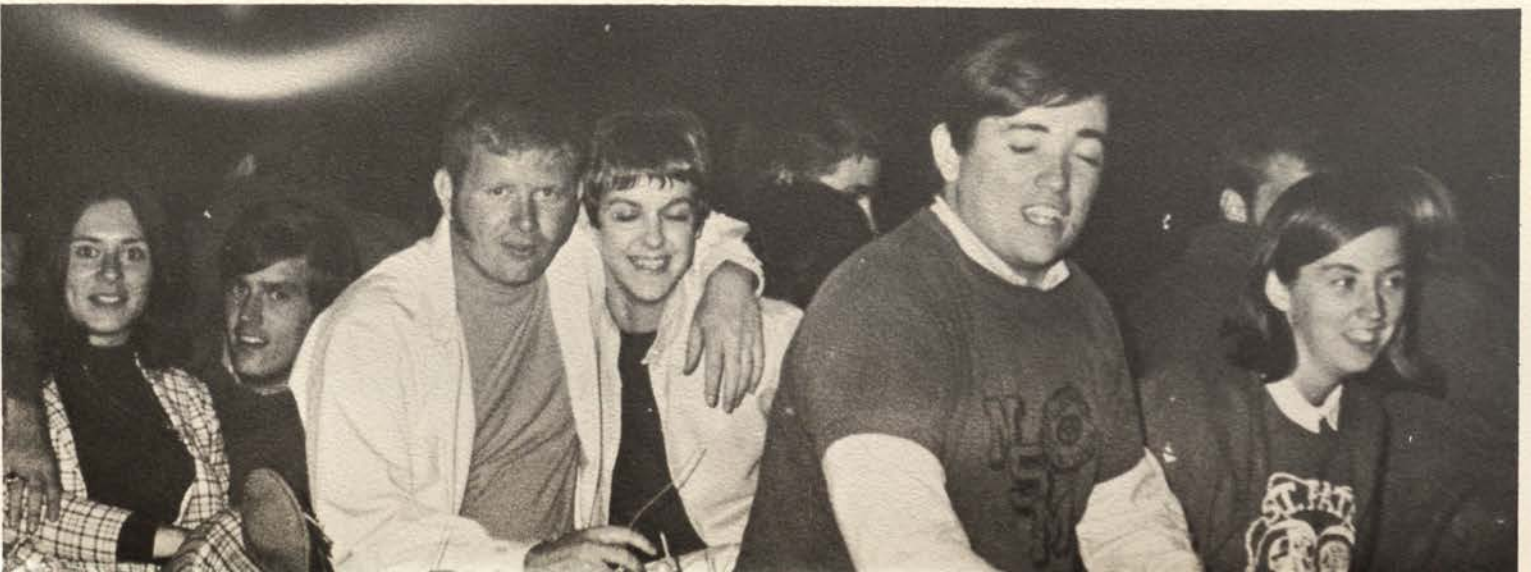


Mike Schaeffer, president of GDI, expresses his hope that the Independents' banquet will become an annual affair.

At a typical GDI meeting Bob Breite, Don Hoenig, and Henry Dippel move to have the meeting adjourned to the nearest tavern where business can be discussed in harmony.



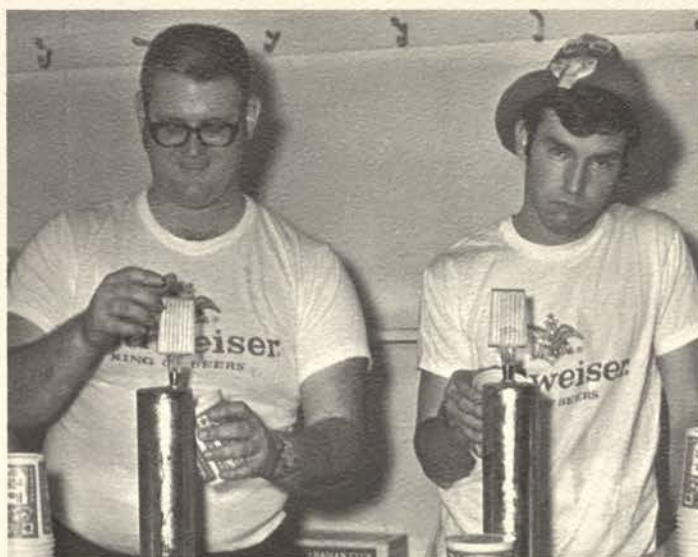
The GDI hayride held during Independents' Weekend brought many independents to Pietsch's Farm, and also brought the Miners closer to their dates.



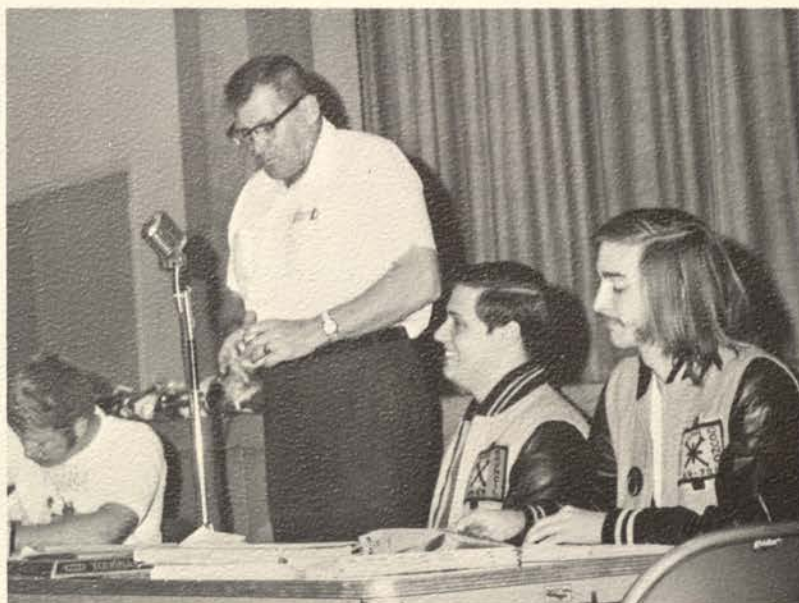


# Independents have varied activities

With a membership totaling almost 900 UMR students, the Independents was the largest organization on campus. Open to all non-fraternity students, GDI's major purpose is to provide a social context for the independent student on campus and encourage his active participation in extracurricular activities. Throughout the year it sponsored a series of dances and hayrides on party weekends, while meetings, movies, and outings filled in the gaps. The second annual Independents' Weekend was held in the fall and was a shining success, thus solidly integrating the event into a UMR tradition. The GDI newspaper, the Sixty-Miner, was improved and expanded. The St. Pat's issue was presented as a gala 40-page extravaganza. The proceeds from the special issue went to support an Easter-egg hunt for the Rolla area's retarded children.



Chief bartender Henry Dippel and his apprentice draw another round of Christmas spirits at the annual GDI yuletide celebration.



Professor Oeffner, GDI advisor, offers his thoughts to the business at hand, while officers Roger Clemmons, Mike Schaeffer, and Jim Mason listen closely.



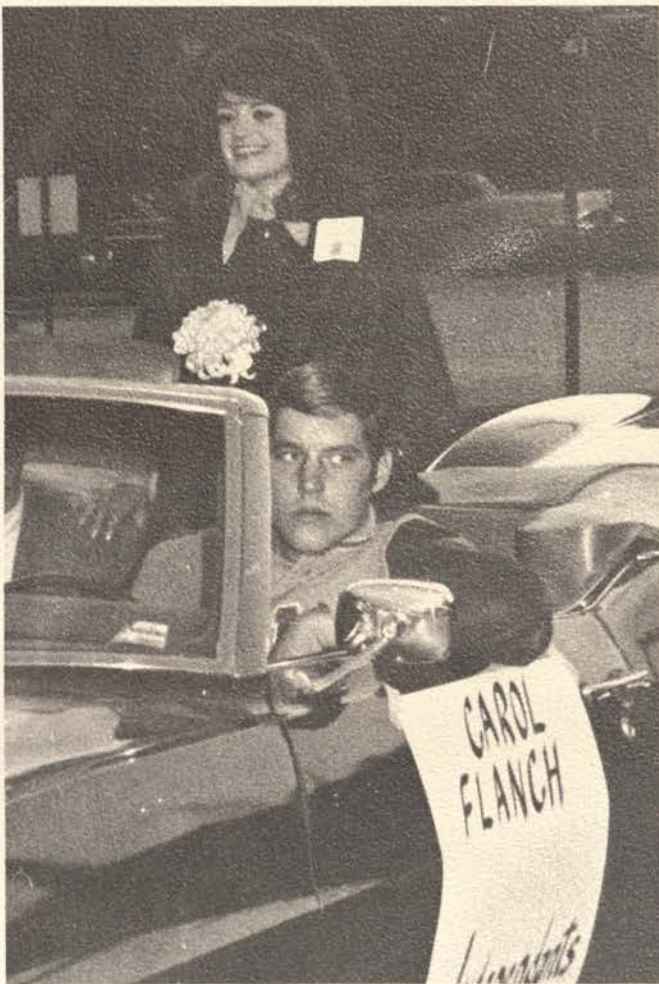
In the tug-of-war across Lion's Lagoon many Miners went for an unexpected swim in the murky depths during the Independents' Weekend games.



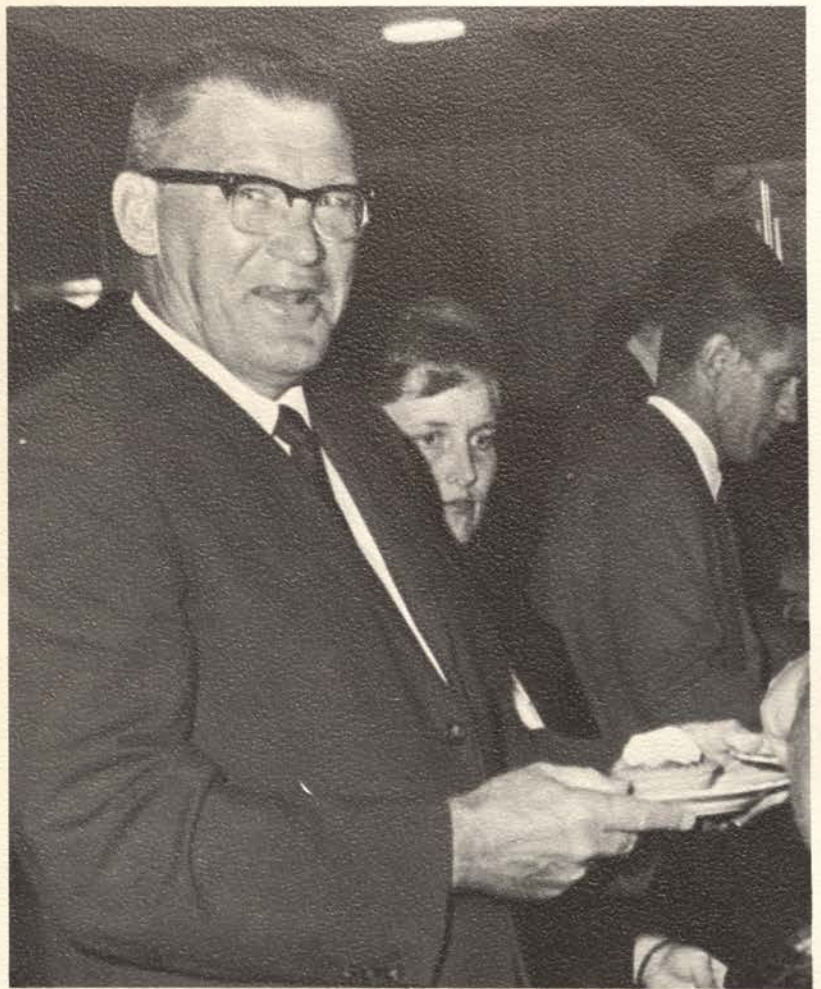
INDEPENDENTS - ROW 1: Dippel, H., Hahn, J., Florence, K., Vernon, G., Seabaugh, A., Campbell, J., Williams, B., DeSpain, D., Sibig-troth, D., Hervey, D., Gladish, L., ROW 2: Hill, J., Morris, C., Hayes, R., Carson, J., Koenenmann, B., Sandella, M., Parker, R., Korth, M., Asencio, N., Brendel, R., Reel, T., ROW 3: Purvis, R., Chenoweth, D., Ford, R., Grotfendt, R., Russell, M., Mathes, G., Boettcher, G., Schnyder, H., Kling, R., Paul, D., Wilhelms, S., Habegger, R., ROW 4: Bay-

gento, L., Virgin, B., Passantino, J., Rachow, B., Loveall, J., Butherus, T., Pickell, M., Schmidt, B., Yancey, R., Scheller, J., George, S., Priso-vsky, A., Grace, J., Kammerer, J., ROW 4: Koch, C., Knowles, J., Corey, R., Warren, J., O'Hara, M., Cameron, R., Corey, M., Taylor, R., Suellentrop, J., Wade, R., Schoenecker, J., Wendt, A., Pulis, T., Schneider, J., Sodnamoc, W., Sechrest, R.



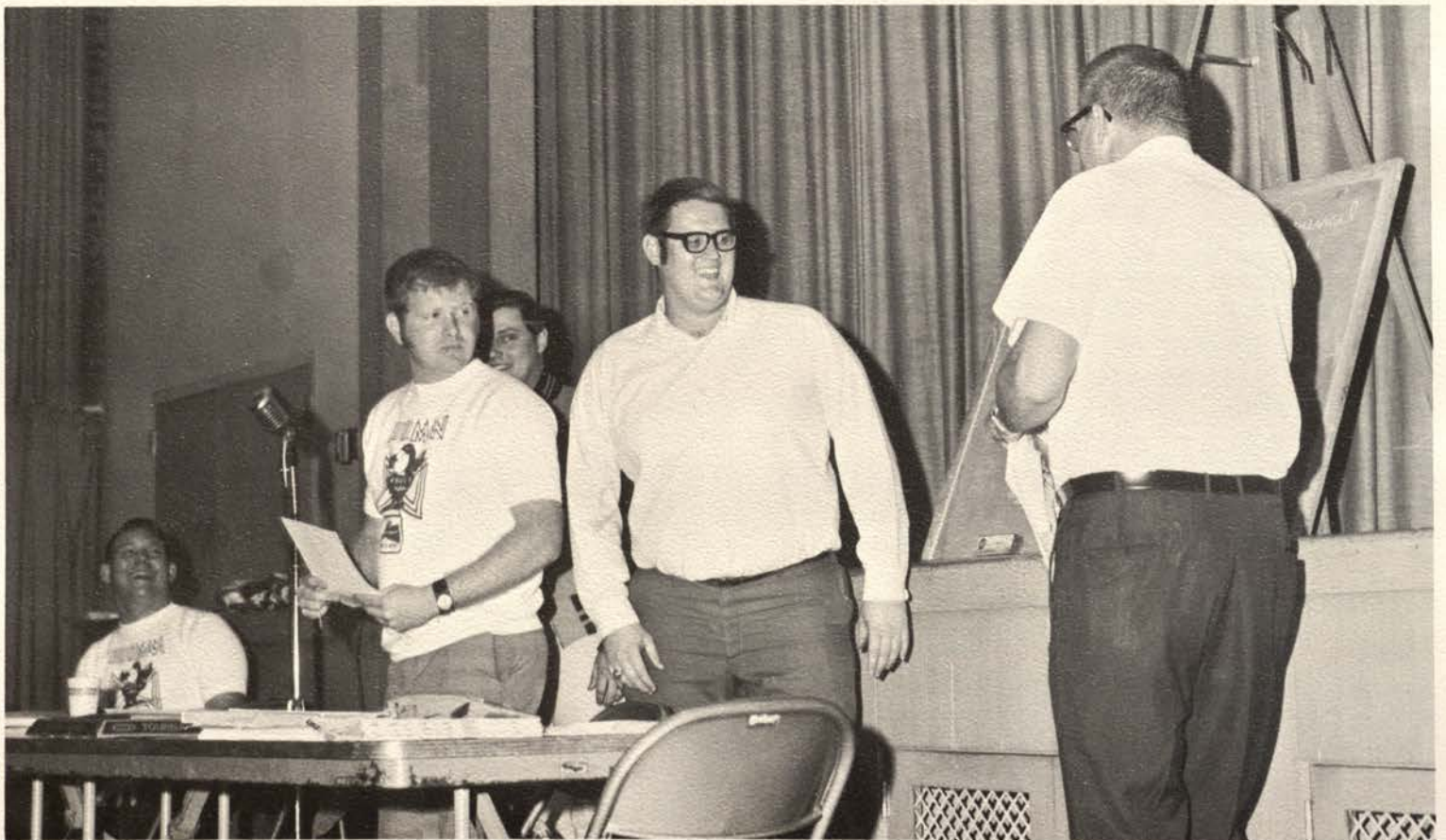


The Independents were well represented at the Homecoming festivities by Miss Carol Flanch, who later graced the independents' many parties.



The Independents' advisor, Professor Richard Oeffner, waits in line for a savory slice of the juicy roast served at the first Independents' Banquet.

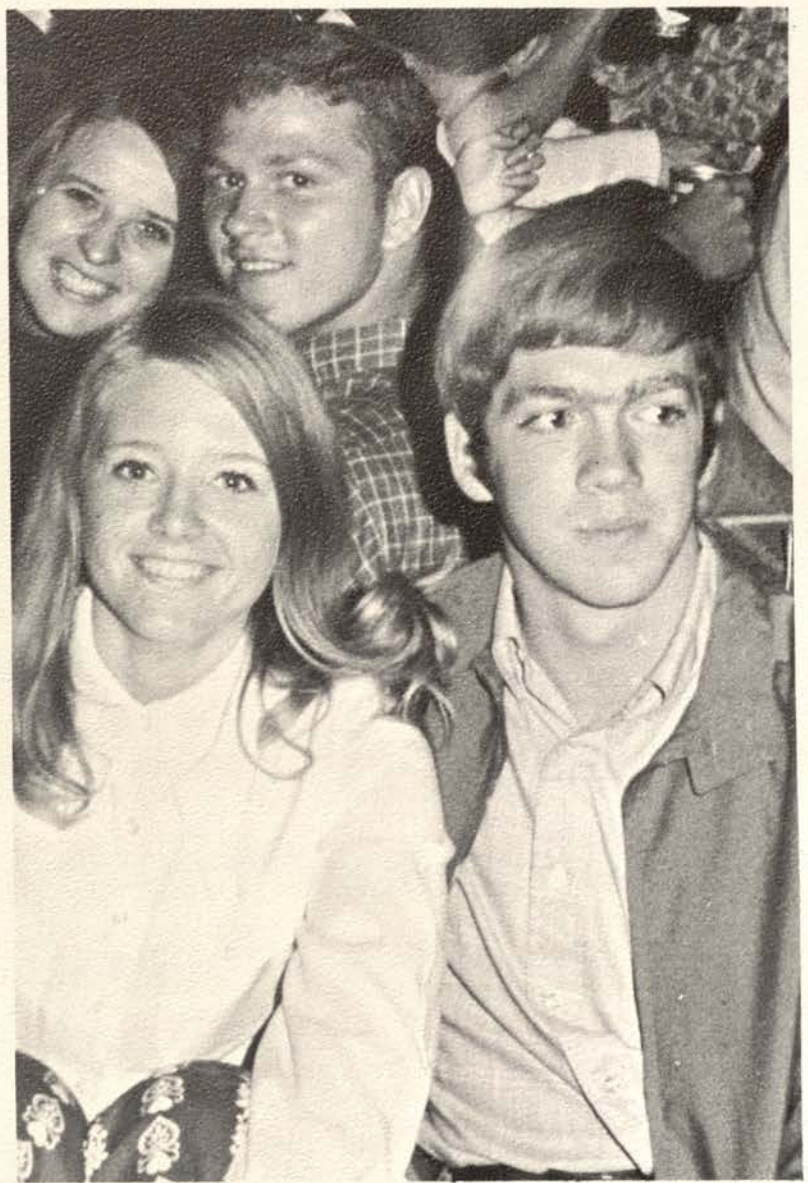
Professor Oeffner presents the "Peanuts Oeffner Man of the Year Award" to Henry Dippel for his outstanding service and enthusiasm for GDI.







Ken Field and his captivating date seem to be satisfied with the fun and games at Lions Club Park during Independents' Weekend.



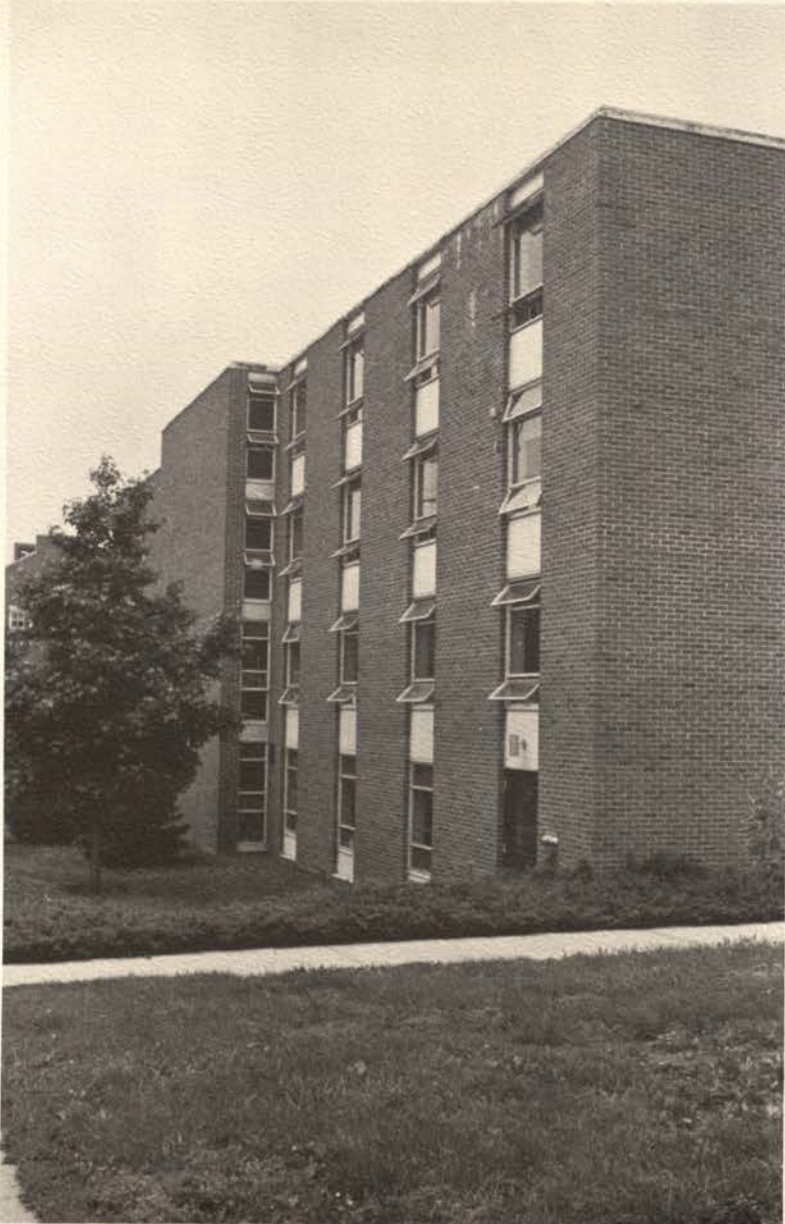
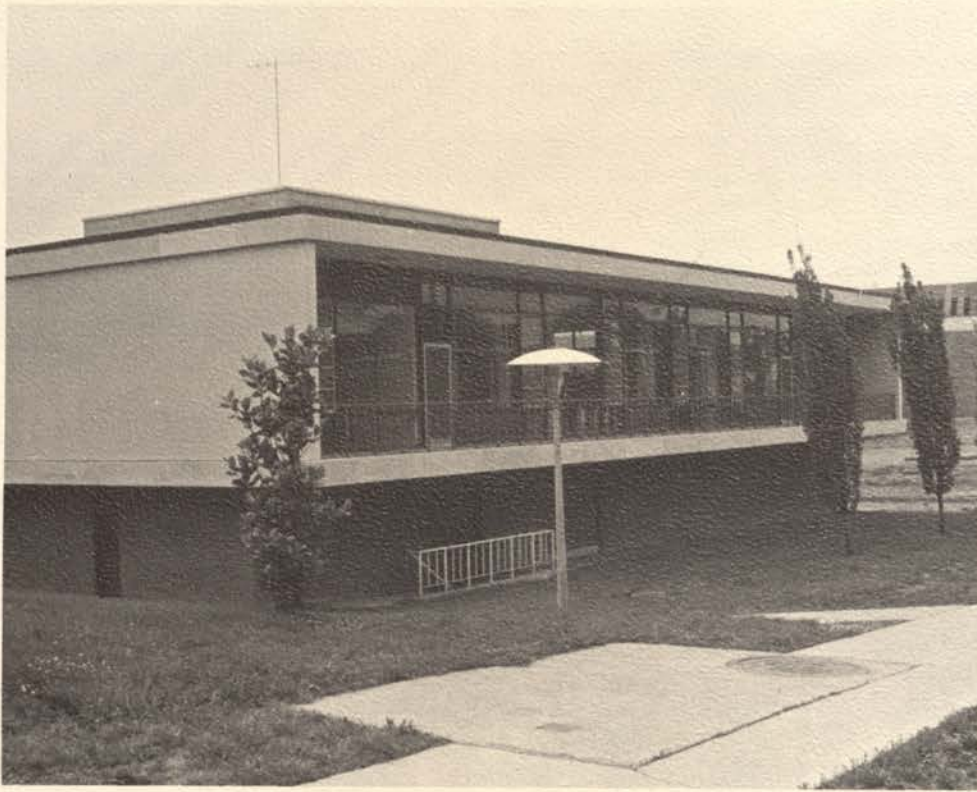
During the hayride sponsored by GDI at the beginning of Independent's Weekend, these couples find a good atmosphere to set the mood for the weekend.

INDEPENDENTS—ROW 1: Chenoweth, S., Bendev, J., Jerden, B., Bartniczak, V., Lenzing, R., Faes, T., Witt, G., Sabharwal, K., Walterman, D., Smith, H., Park, D., ROW 2: Allison, H., DeRiemer, D., Kohonen, T., Akers, F., Bible, P., Jeffrey, M., DeClue, G., Deardeuff, D., Richards, G., Blalock, R., Heseman, C., Gucciardo, T., ROW 3: Klingler, B., McNamara, T., Metzger, M., Bumpus, G., Ballard, D., Roth,

M., Huebner, D., Quinlisk, R., Thomas, D., Elven, D., ROW 4: Tutka, J., Schwanke, C., Modene, L., Rutz, A., Rutz, B., Taylor, P., Nixon, R., Rockefeller, R., Harris, G., Logston, M., Tibbitts, D., ROW 5: Campbell, J., Hollrah, D., Bonczyk, B., Shady, S., Schnettler, K., McMahon, T., Price, L., Bailey, H., Lill, D., Wilson, C., Padgett, S., Durham, T., Mohr, D.











## Dorms

MRHA wins Ugly Man Contest and Twelfth Man Award . . . House 1 supplies many of its members to fill offices in various organizations on campus . . . House 2 helps the other houses give a Christmas party for underprivileged children . . . House 3 continually involved in campus affairs . . . House 4 active in MRHA . . . House 5 helps residents of Pruitt-Igoe . . . House 6 claims MRHA president . . . House 7 stresses academics . . . House 8 sponsors occasional outings . . . House A ranks first scholastically . . . House B one of many houses to collaborate on a Christmas party . . . House C collects more money than any other house for the Ugly Man Contest . . . House D wins inter-dorm football championship . . . WRHA moves into new residence and becomes more active in campus affairs . . . Thomas Jefferson offers residents a complete social life . . . Men of MRHA start Spring water fight again.







The members of the MRHA proudly display their banner that accompanied them to all the Miner football games and was deciding factor in the awarding of the first-place Twelfth Man trophy to the MRHA.



## MRHA active in numerous events

The Men's Residence Hall Association provided all the requirements necessary for a comfortable and convenient life for its residents. The MRHA afforded its members opportunities to excel both in scholarship and athletics. Residents owned and operated a radio station which served the dorms with 18 hours of music a day. Laundry facilities were also maintained by the MRHA as a convenience to members. Scholarship was a top goal of the MRHA. This is apparent since the dorms had the highest grade point of any housing organization on campus. Athletic opportunities were not forgotten as the MRHA participated in intramural sports. Interdorm sports were organized in the areas of football, basketball, bowling, and softball. For the second consecutive year the Men's Residence Hall Association sponsored a blood drive for the men in Vietnam. Over 200 residents donated their blood at the Fort Leonard Wood Hospital to support the men overseas. And in keeping with the Christmas spirit, many of the individual houses held parties for underprivileged children in the Rolla area. The MRHA also won the Ugly Man contest for the second successive year by collecting over \$3,000 to make Ron Gaus their Ugly Man. The money was donated to a fund for crippled children in the Rolla area.



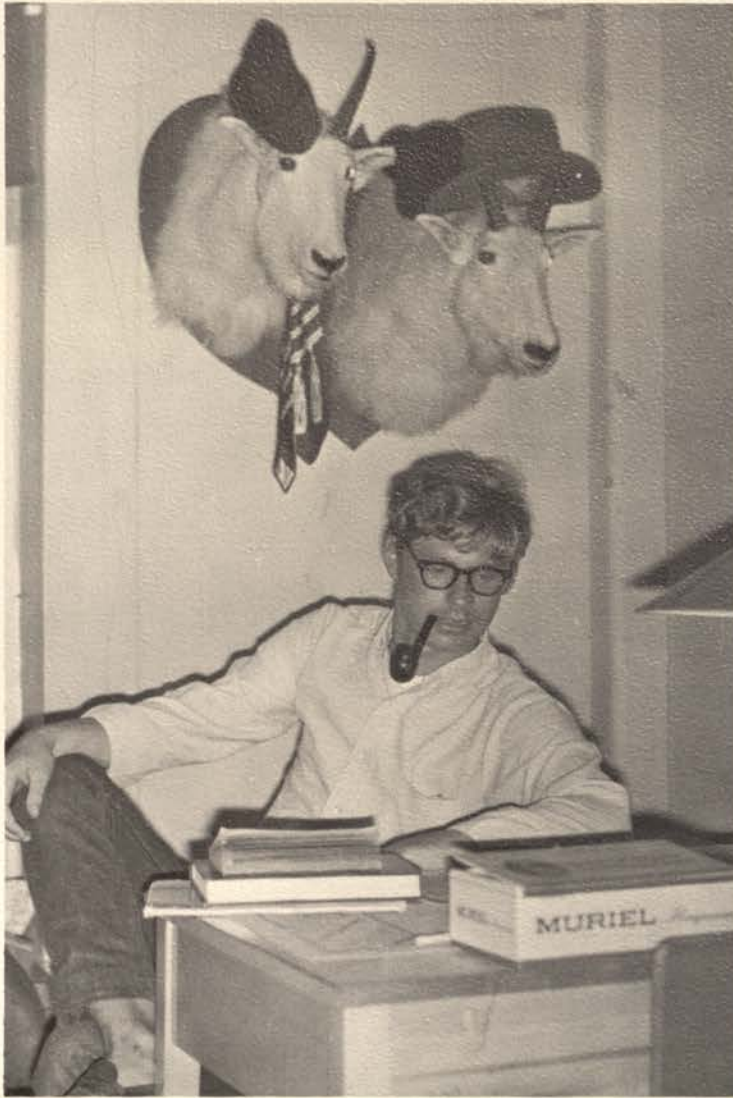
Many parents came to visit their sons and daughters for Parents' Day in the Fall semester, and the less fortunate ones were taken to Rayl Hall for lunch.

When this unsuspecting Miner asked to borrow some shaving cream, everyone on his floor was more than happy to lend him a substantial amount.

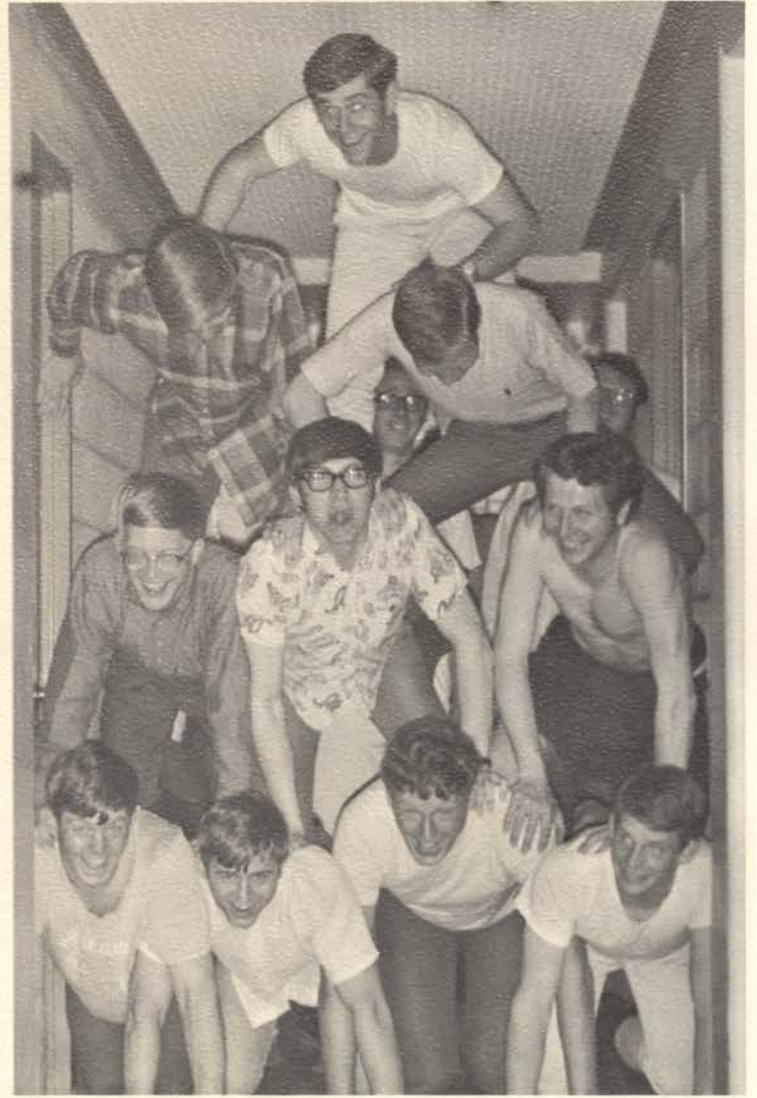




## McAnerney claims many campus offices



Gene Abernathy appears to be in deep philosophical thought about the next week's events, while his guardians seem to have things well in hand.



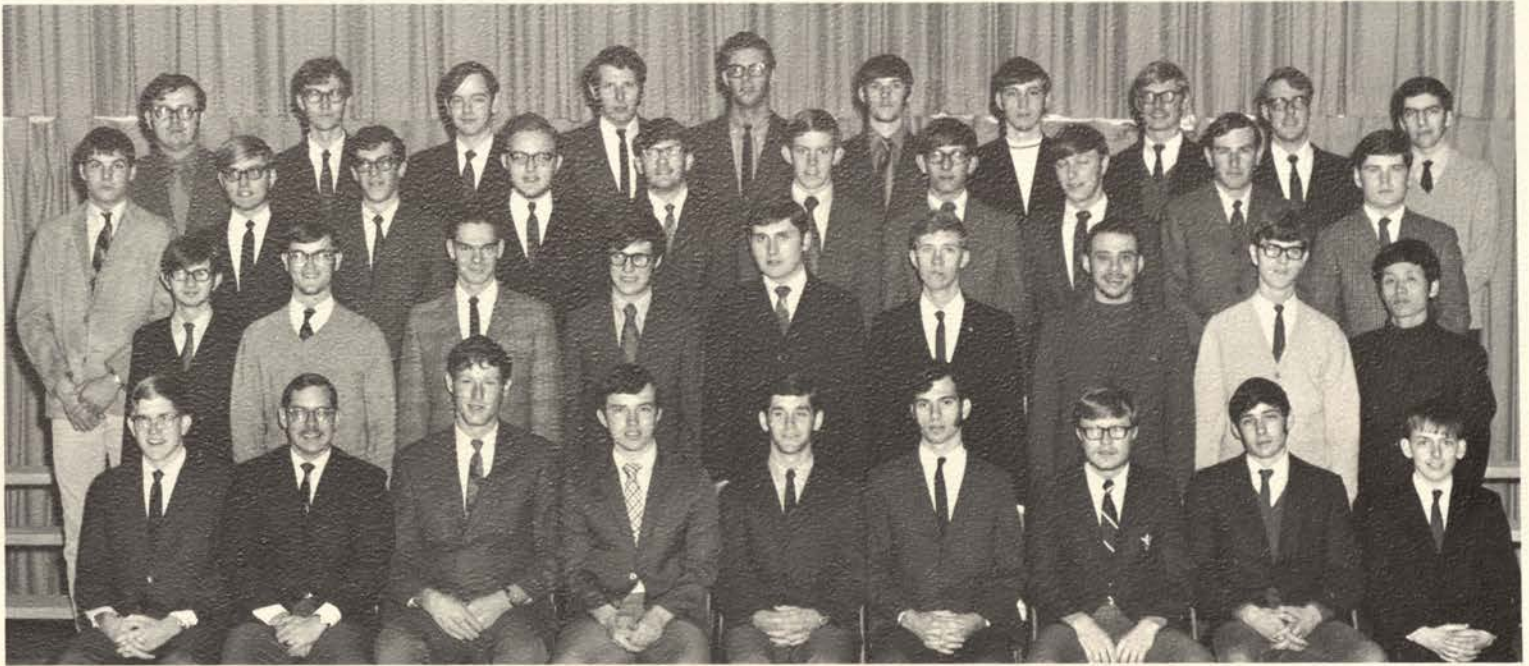
Taking their daily exercise break, this group of House 2 gymnasts shows how the Egyptians built pyramids that have withstood the elements.

McANERNEY HALL-HOUSE 1—FRONT ROW: Metzger, M., Baldwin, D., Shatzman, R., Buchmeir, W., Clemons, R., Widner, G., Governor; Cissell, C., Secretary-Treasurer; Bekebrede, D., Norton, M., Jung, R., Kriengsiri, P., ROW 2: Boorky, D., Tacchi, K., Berghaus, S., Puetz, W., Creech, M., Watson, F., Rauh, D., Dieckmann, D., Rosen-

ouer, S., Czeschin, J., Langston, D., ROW 3: Brendel, R., Borgmann, J., Vandergriff, L., Enke, D., Pitt, D., Kessler, M., Pulis, T., Achelpohl, T., Sherwood, R., DiMercurio, A., Chervek, B., ROW 4: Grana, D., Kearney, J., Campbell, J., Kamplain, D., Watkins, W., Dippel, H., Kettenbach, K., Girard, C., Vernon, S.







McANERNEY HALL-HOUSE 2—FRONT ROW: Conrad, C., Degen, G., Price, L., Lieutenant Governor; Allison, H., Governor; Dawson, P., Okrei, S., Secretary-Treasurer; Erickson, L., Green, R., Baker, R., ROW 2: Parker, B., Allen, D., Merry, L., Koewing, J., Fischer, L., Stahl, L., Carter, P., Smith, T., Kim, W., ROW 3: Doyle, P., Siddens,

T., Glascock, M., Taylor, P., Blattel, S., LeGrand, R., Donze, B., Beckmeyer, R., Dueker, D., Dunn, B., ROW 4: Sanders, D., Mood, W., Epps, S., Cowan, W., Randolph, D., Siders, M., Castrianni, C., Abernathy, G., Schwanke, C., Teske, D.

Pete Dawson finds that a little female companionship makes the work seem much easier as he packs his car with his nine-month accumulations of odds and ends.

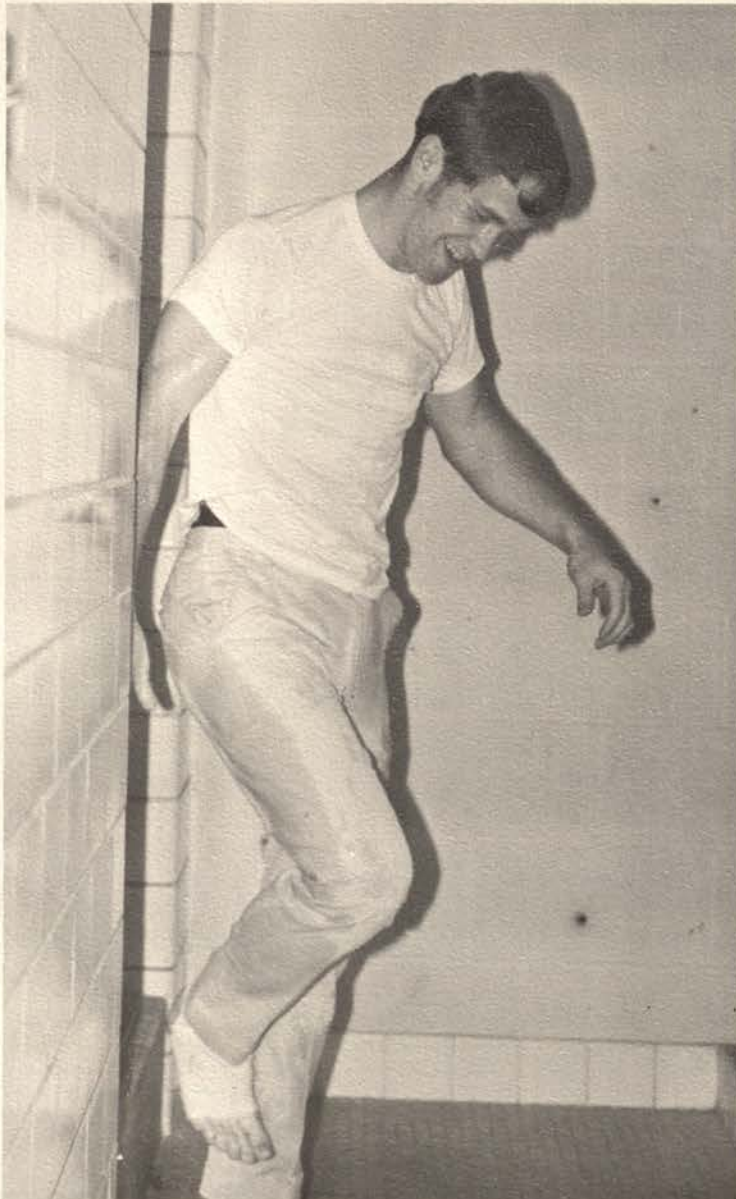




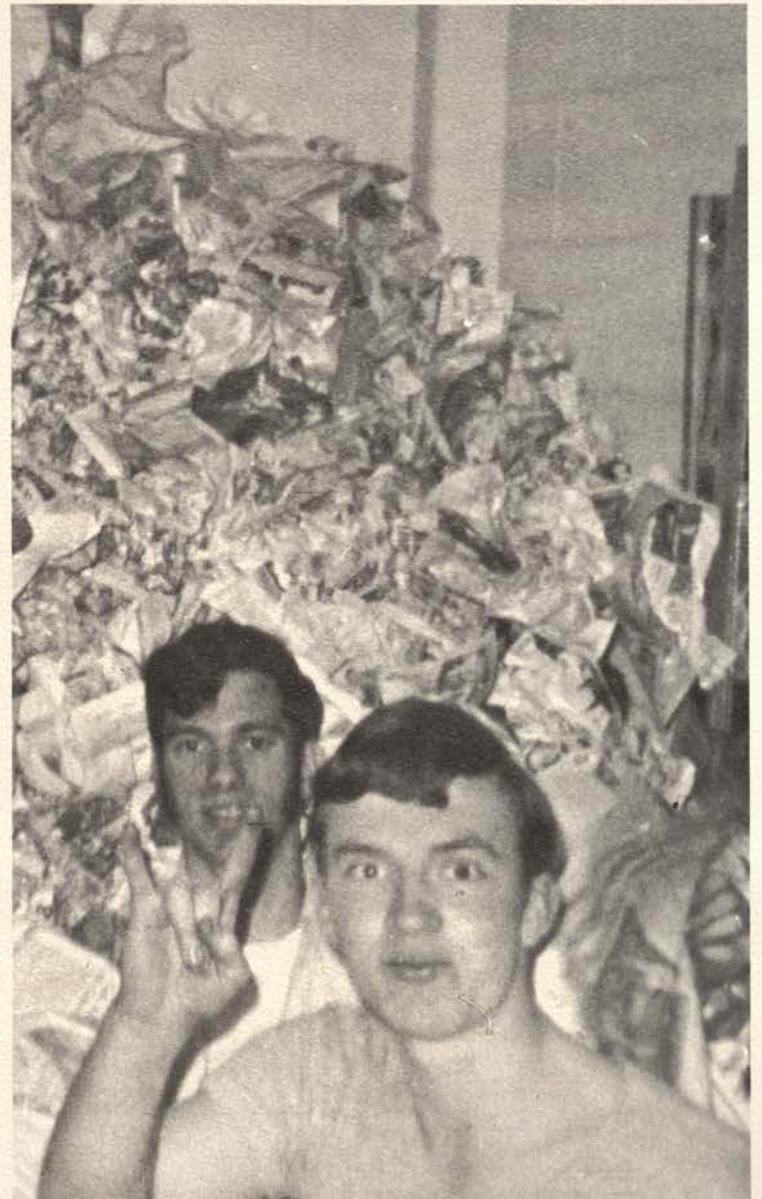


FARRAR HALL-HOUSE 3—FRONT ROW: Gronemann, D., Buback, C., Quinlisk, R., Doll, B., Secretary-Treasurer: Richardson, A., Ward, J., Governor: Cook, F., Stokes, K., Lieutenant Governor: Wolfington, K., Himmell, S., Cope, R., ROW 2: Yang, T., Buckman, D., Hargraves, F., Cooper, C., Scott, L., Butler, A., Hinkle, K., Kelly, P., Anderson, B., Beckerle, J., ROW 3: Fuder, D., Guenther, W., Schafermeyer, R.,

Strattman, D., Burns, J., Kleinert, A., Gibson, J., Gennewald, G., Ritter, G., Hobbs, S., Wheeler, H., ROW 4: Graves, T., Wells, M., Giles, W., Wagner, R., Kuntz, R., Vunesky, B., Lutz, D., Eaves, M., ROW 5: Mitchell, R., Mound, R., Brennecke, C., Kmak, H., Bergner, L., Peters, W., Wells, R., Belsky, S.



After being given an involuntary shower by his cohorts, Pete Dawson smiles as he plots a suitable punishment for those involved.



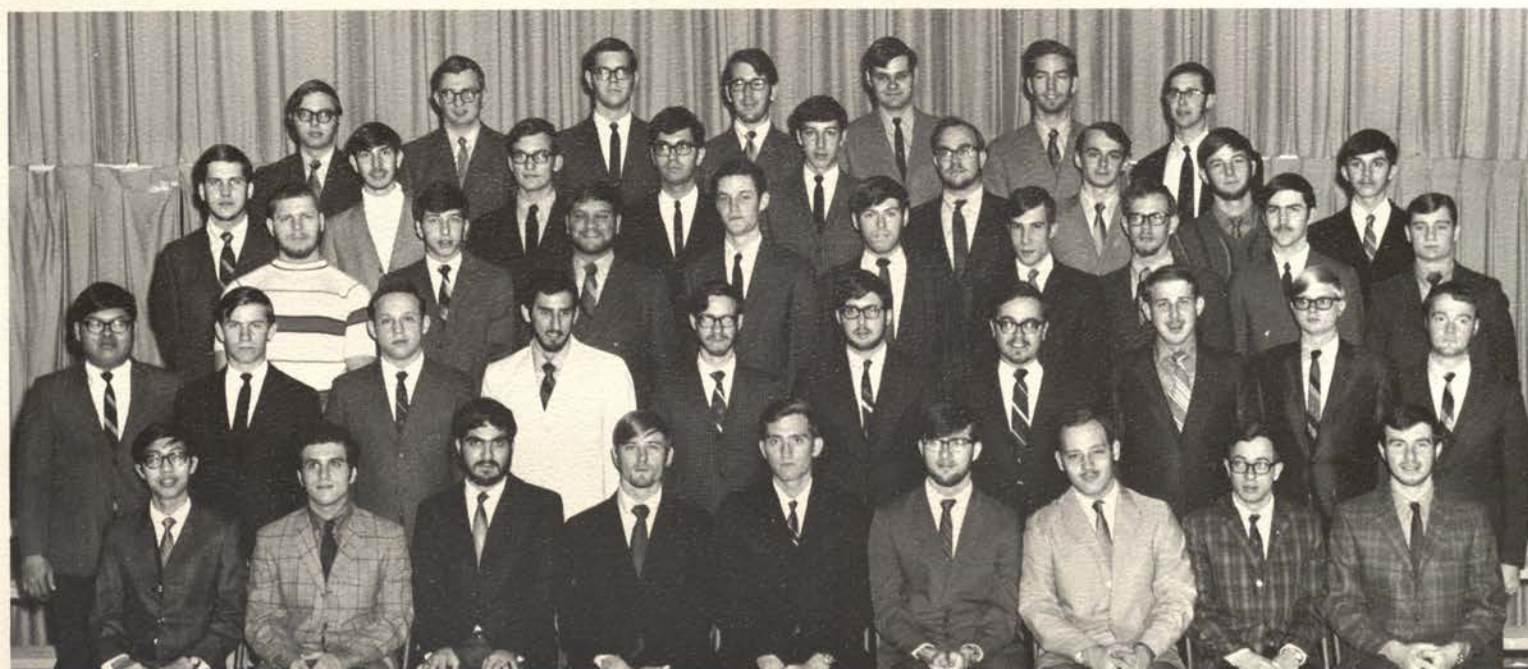
When two occupants of the same room leave Rolla for a weekend trip home, they can expect to find a pile of newspapers awaiting them.



## Men of Farrar active in various organizations



A favorite game of the men of House 4 is to toss beverage cans until one of the players misses, and then must face the consequences and open the cans.



FARRAR HOUSE-HOUSE 4—ROW 1: Tang, K., Binesh, P., Binesh, B., Russell, J., Tijan, F., Governor; Webb, J., Jeffrey, M., Kielar, G., Lutz, K., ROW 2: Foon, J., Assel, M., Swan, L., Brookman, J., Goymerac, T., Fortune, J., Hoff, D., Rosenblatt, G., Koehler, R., Underwood, M., ROW 3: Helfer, J., Secretary & Treasurer; Estep, R.,

Faletti, J., Webber, T., Steel, A., Roth, J., Gosney, T., Bland, G., Ledwon, J., ROW 4: Miederhoff, E., Wirth, G., Morrow, R., Roth, M., Estep, S., McCoy, R., Stamm, M., Petrovic, W., Falkenberg, P., ROW 5: Henson, E., Epresi, T., Bradshaw, S., Davis, C., Hanebrink, R., Moody, W., Buechler, G.

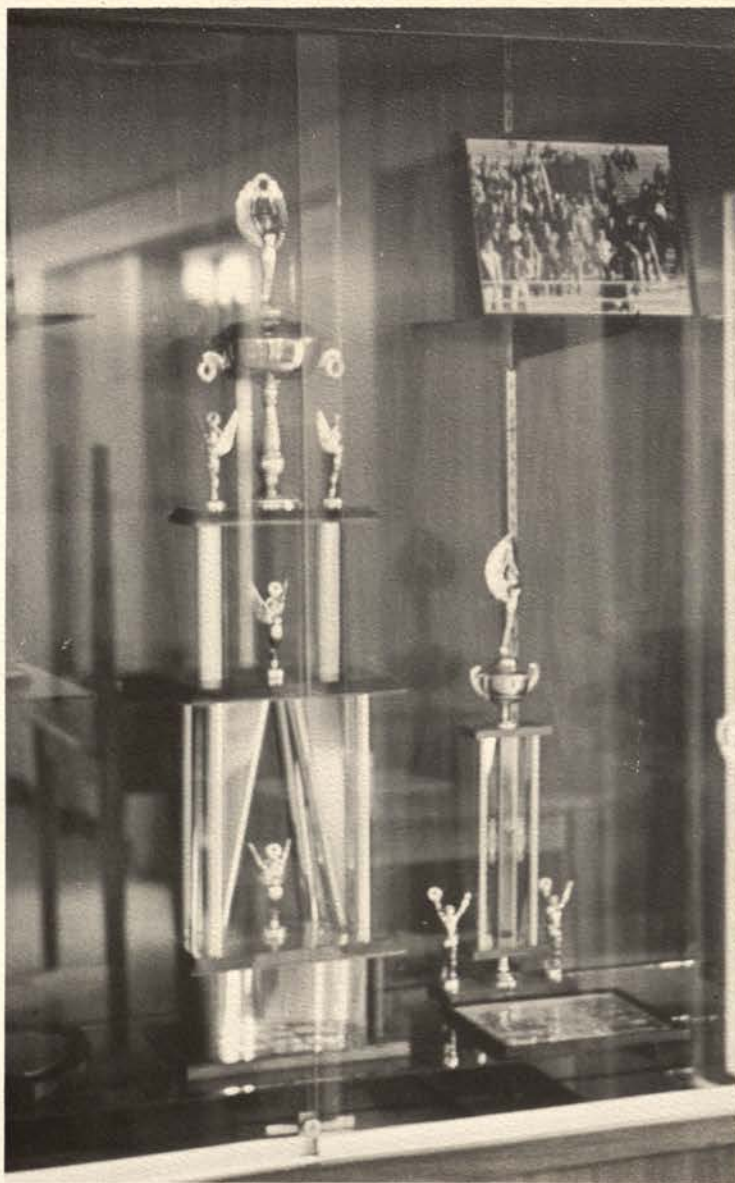




ALTMAN HALL-HOUSE 5—FRONT ROW: Ream, H., Andersen, J., Werner, K., Richardson, D., Lieutenant Governor; Miller, W., Governor; Arbogast, W., Kean, A., Secretary; Gates, C., Brown, B., ROW 2: Patrick, J., Hegg, W., Caspermeyer, J., Botts, J., Trammell, R., Rice,

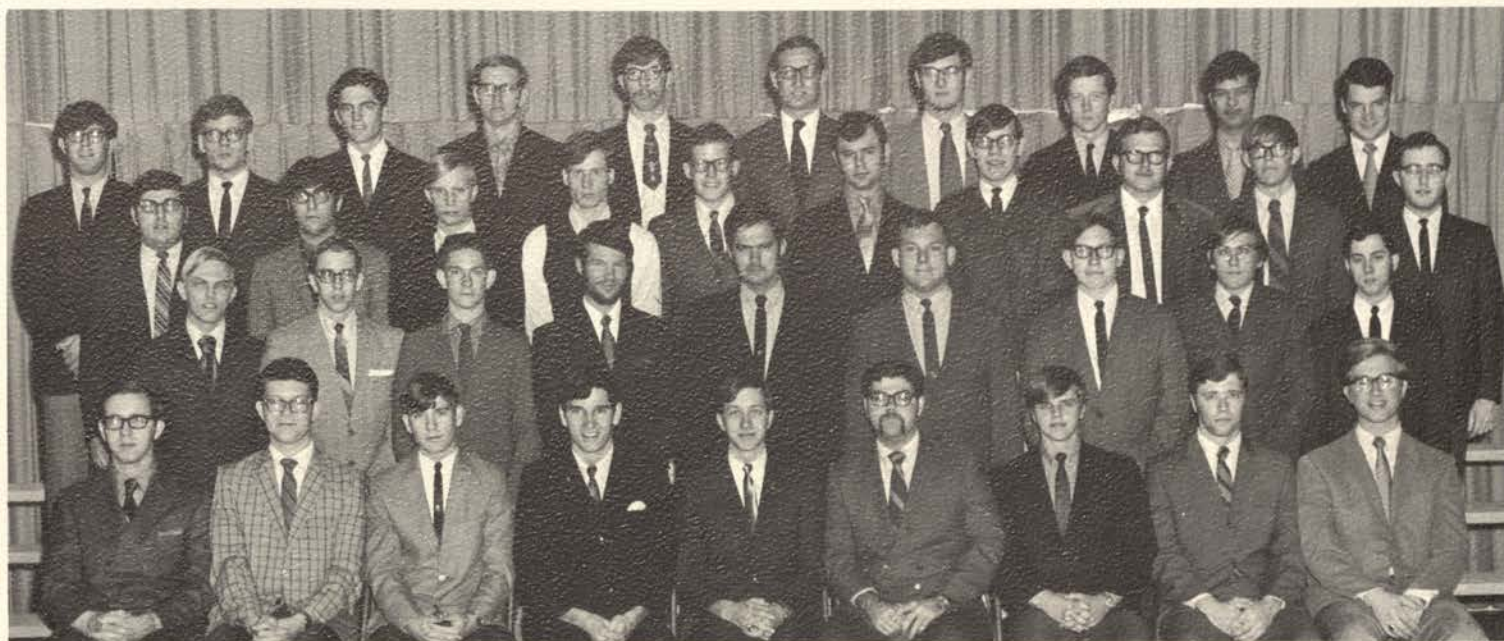
J., Vaughn, C., Bartniczak, V., Lewis, J., ROW 3: Hansen, P., Mueller, C., Pickell, M., Hill, J., Meek, W., Campbell, F., Alinder, L., Barry, D., Artman, T., ROW 4: Meier, A., Chatman, J., Keil, J., Vojta, G., Huskisson, W., Foster, J., Parsons, R., Tait, S., Varwig, J.

The MRHA proudly displays their trophy for winning Theta Tau's Ugly Man Contest, along with other trophies won by the members of the MRHA.



KMFA, located in the basement of House 5, provides the residents of the MRHA with 18 hours of music, ranging from classical to hard rock.

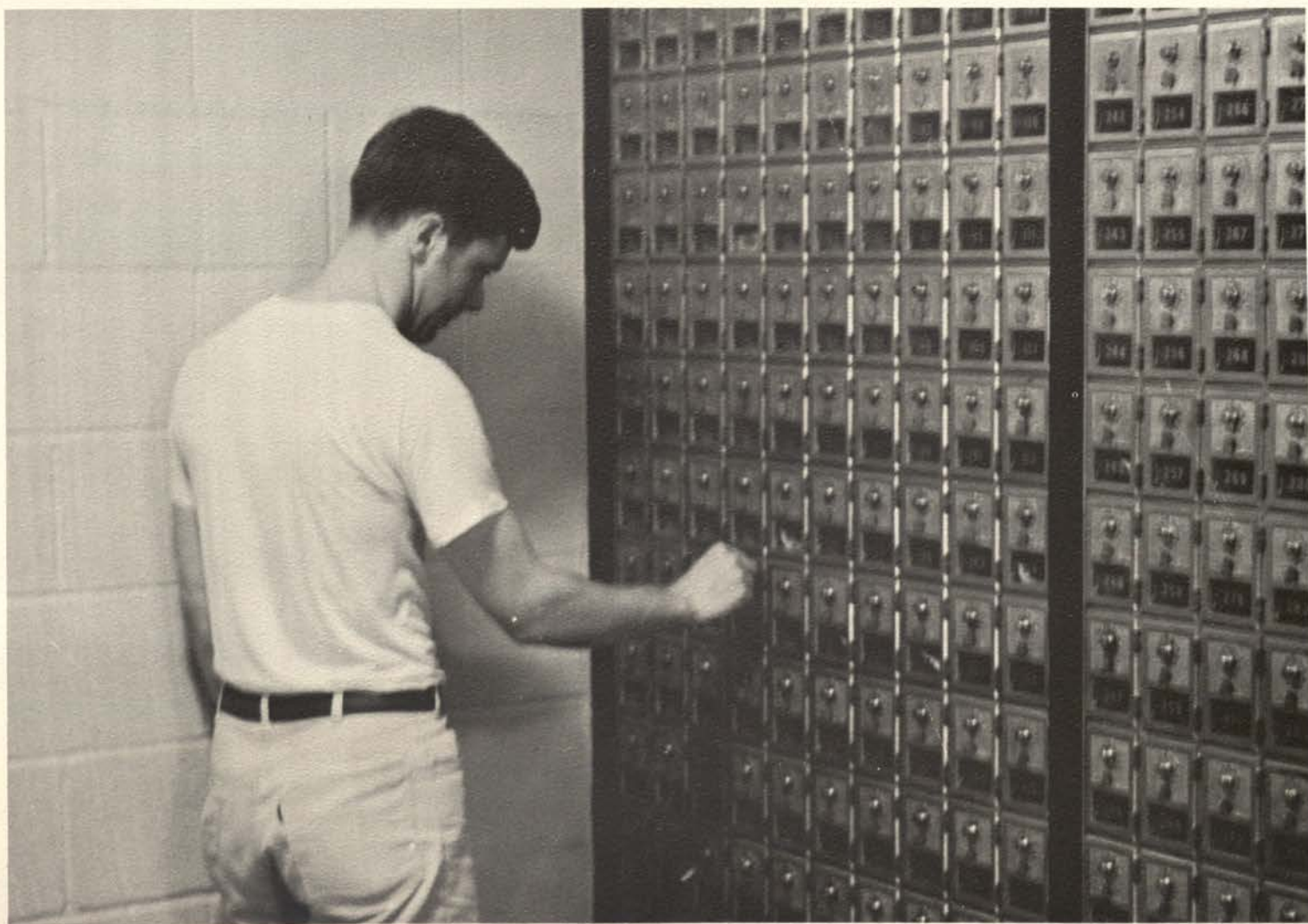




ALTMAN HALL-HOUSE 6—FRONT ROW: Huebner, C., Bonczyk, B., Lewis, L., Breeding, D., Secretary-Treasurer; Wussler, A., Tennill, D., Governor; Bartlett, D., Bodeman, A., Naber, M., ROW 2: Seabaugh, D., Davis, J., Mueller, W., Klinger, R., Bradd, J., Turpin, L., President; Boschert, T., Turner, B., Stapp, J., ROW 3: Kercher, B.,

Edwards, D., Stehly, D., Hengel, B., Dryer, K., Schnettler, K., Court, M., Spencer, D., Wilson, A., Mohr, D., ROW 4: Burnett, C., Kiehl, B., Brown, R., Trnka, W., Miodunski, B., George, W., Schroeder, J., McMahon, T., Skasick, S., Shady, S.

## Members of Altman Hall help in Pruitt-Igoe



The mail room is located in Altman Hall and holds the good news as well as the bad, depending on whether or not that expected letter arrives.





HOLTMAN HALL-HOUSE 7—FRONT ROW: Cain, G., Phillips, M., Nugent, J., Shea, D., Governor; Schmidt, P., Raithel, J., Secretary; Grace, J., Pozzo, J., Hanson, P., Shay, M., Scheek, M., ROW 2: Shepard, W., Worland, R., Brendel, S., Akers, T., Sackman, S., Prissousky, A., Stewart, B., Smith, G., Sallas, J., Rush, S., Usok, V., ROW 3: Rau,

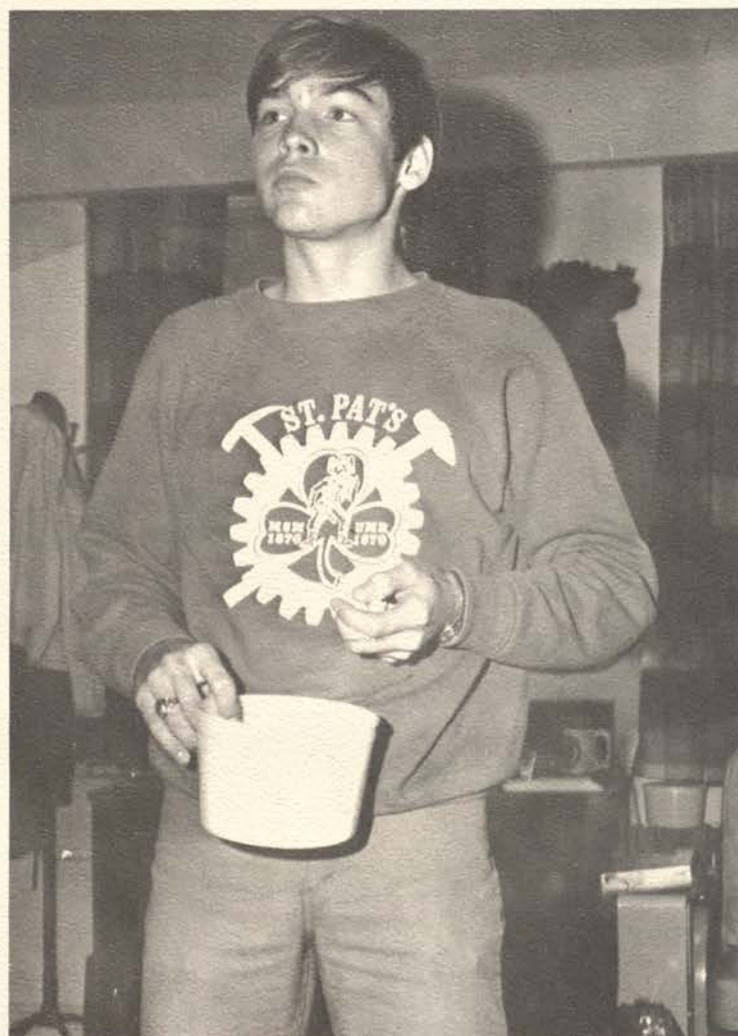
B., McKee, R., Fields, R., Taylor, M., Secretary; Tanzey, W., Smith, G., Fair, M., Nelden, J., Brockgreitens, B., Stanze, D., ROW 4: Miller, G., Sigler, C., Corley, J., Callanan, D., Peters, R., Lieutenant Governor; Umphenour, C., Ohmes, D., Pautler, J.

## Members of Holtman active in campus affairs



Many of the girlfriends of dorm residents come to Rolla after final week to help their boyfriends move out for the long awaited summer.

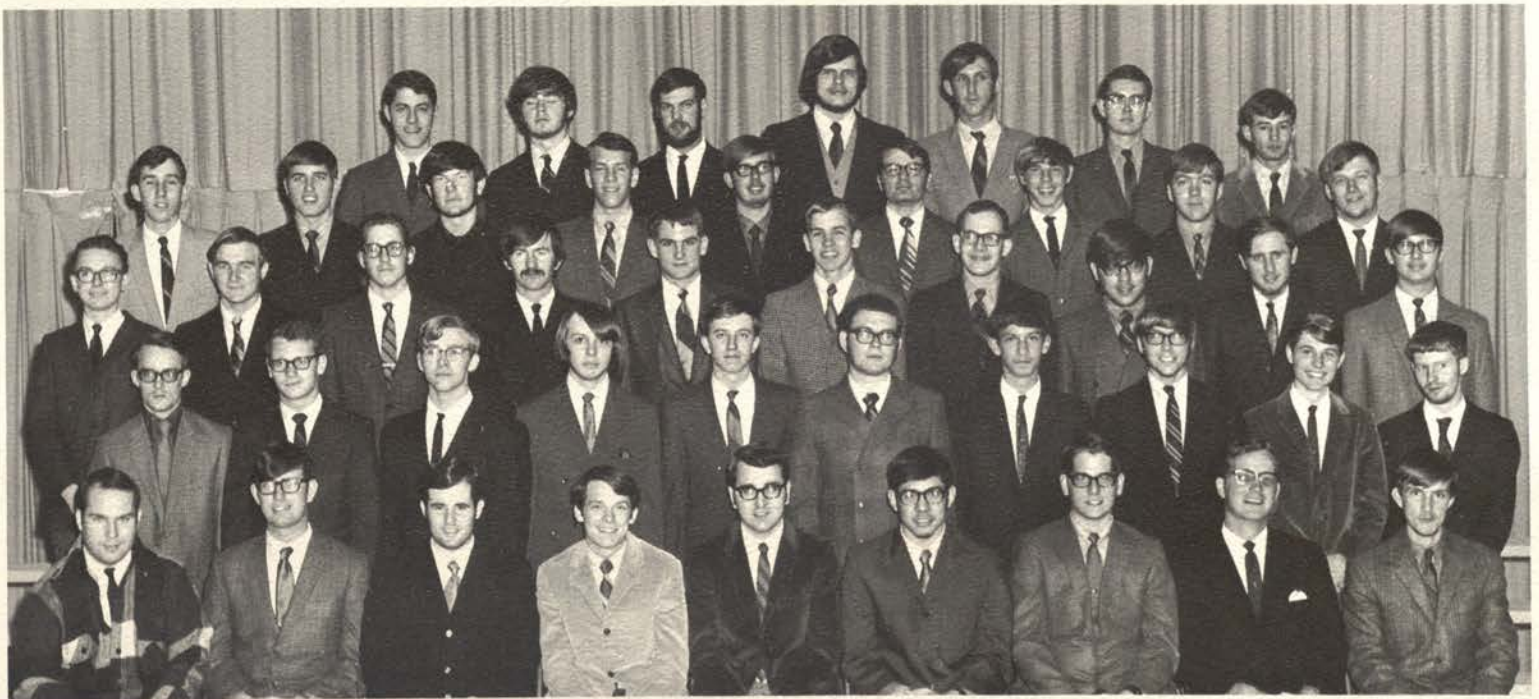
An ample supply of popcorn is always available for those who missed meals or just need a supplement to the meals served at Rayl Hall.







At a typical House 8 outing, the rest of the tribe express their disapproval of a bad sign given by a warrior in the skillful game of Indian.



HOLTMAN HOUSE-HOUSE 8—ROW 1: Frohardt, R., Governor; Kelly, M., Rapplean, K., Secretary; Jensen, D., Treasurer; Curd, W., Tapella, R., Stephens, P., Hamner, G., Skosey, G., ROW 2: Bratouich, M., Evans, C., Anderson, G., Volkers, R., Coartney, C., Sams, J., Sampson, R., Burton, J., Neef, E., Theilmann, J., ROW 3: Sievers, M.,

Lobsinger, J., Krainess, F., Peterson, L., Pekarik, M., Gegg, J., Young, T., Byers, D., Strack, L., Casteel, R., ROW 4: Heifner, R., Morris, M., Rinne, D., Fish, G., Wilson, D., Kirn, D., Zelle, J., Shull, L., Visnovske, S., ROW 5: Lundin, D., Marshall, J., Fackler, G., Whitney, M., Reid, B., Bude, R., Birkhead, R.



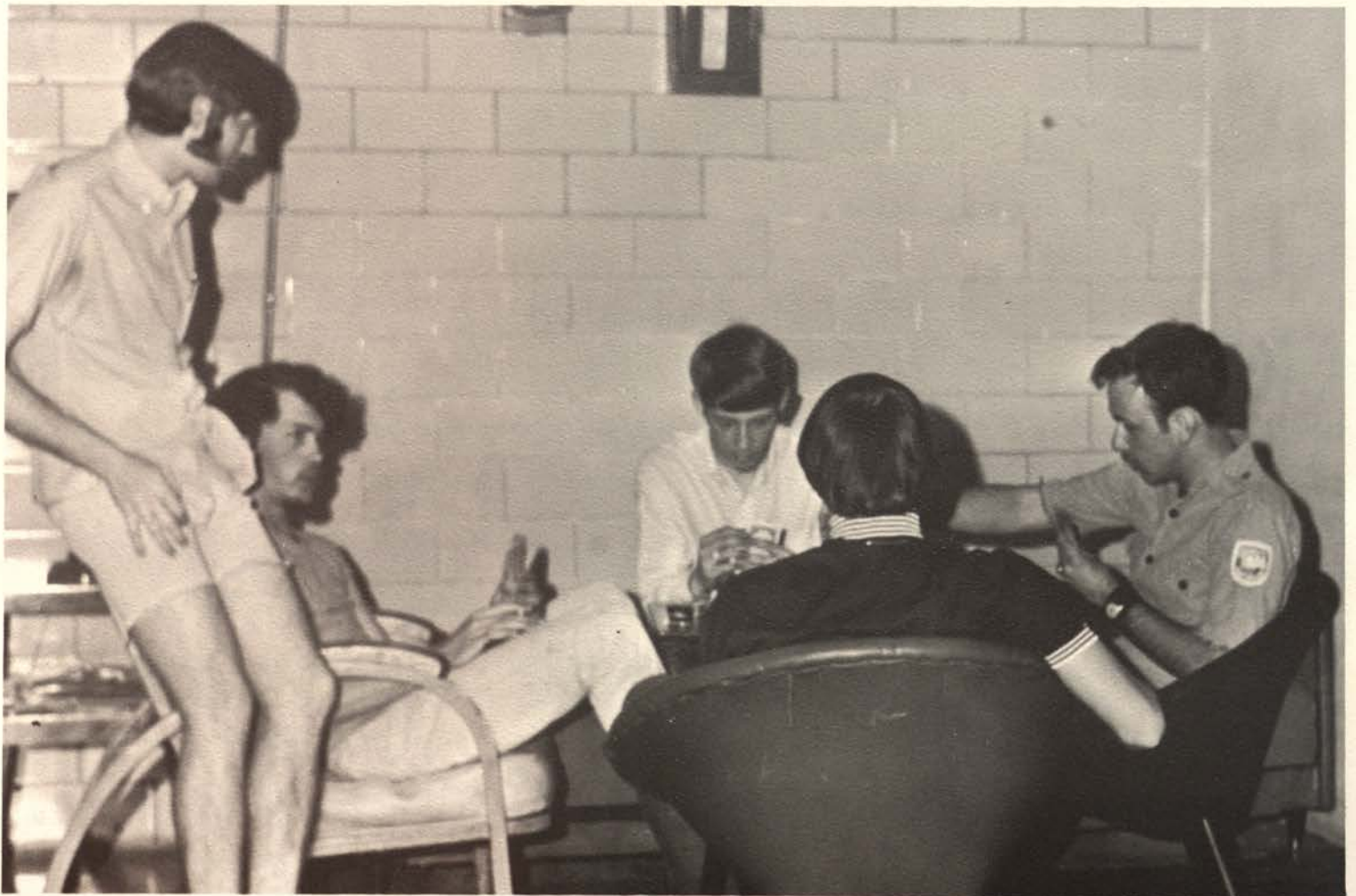


KELLY HALL-HOUSES A and B—FRONT ROW: Vaeth, R., Craig, R., Leach, E., Secretary-Treasurer; Ross, G., Lieutenant Governor; Meyer, R., Governor; Midden, L., Peetz, D., Governor; Smith, R., Oliver, D., ROW 2: Lamping, B., Schalk, R., Thompson, G., Butner, M., Gannett, T., Walters, R., Byron, J., Henderson, G., ROW 3: Harrison,

H., Schumer, G., Koeper, J., Moll, M., Benhardt, H., Rorabaugh, J., Magee, M., Weidler, G., ROW 4: Dibben, D., Horstmann, P., McFarland, B., Curry, B., Blankenship, E., Higgins, A., Burnett, D., Baker, E., ROW 5: Thompson, R., Pollard, B., McKinney, S., Nuelle, L., Petty, K., Schubert, D., Dickhaus, M.

## Kelly A and B sponsor a Christmas party

A card game is usually in progress in the House A lounge, sometimes with extras waiting for a friend to dare abandon his seat at the table.







Even Santa Claus seems to be enjoying himself and amusing the children at the Christmas party for underprivileged children sponsored by House B.

Gary Thompson smiles at an amusing anecdote while studying Mark Twain, but doesn't realize that his instructor has a ten-point shotgun awaiting him.

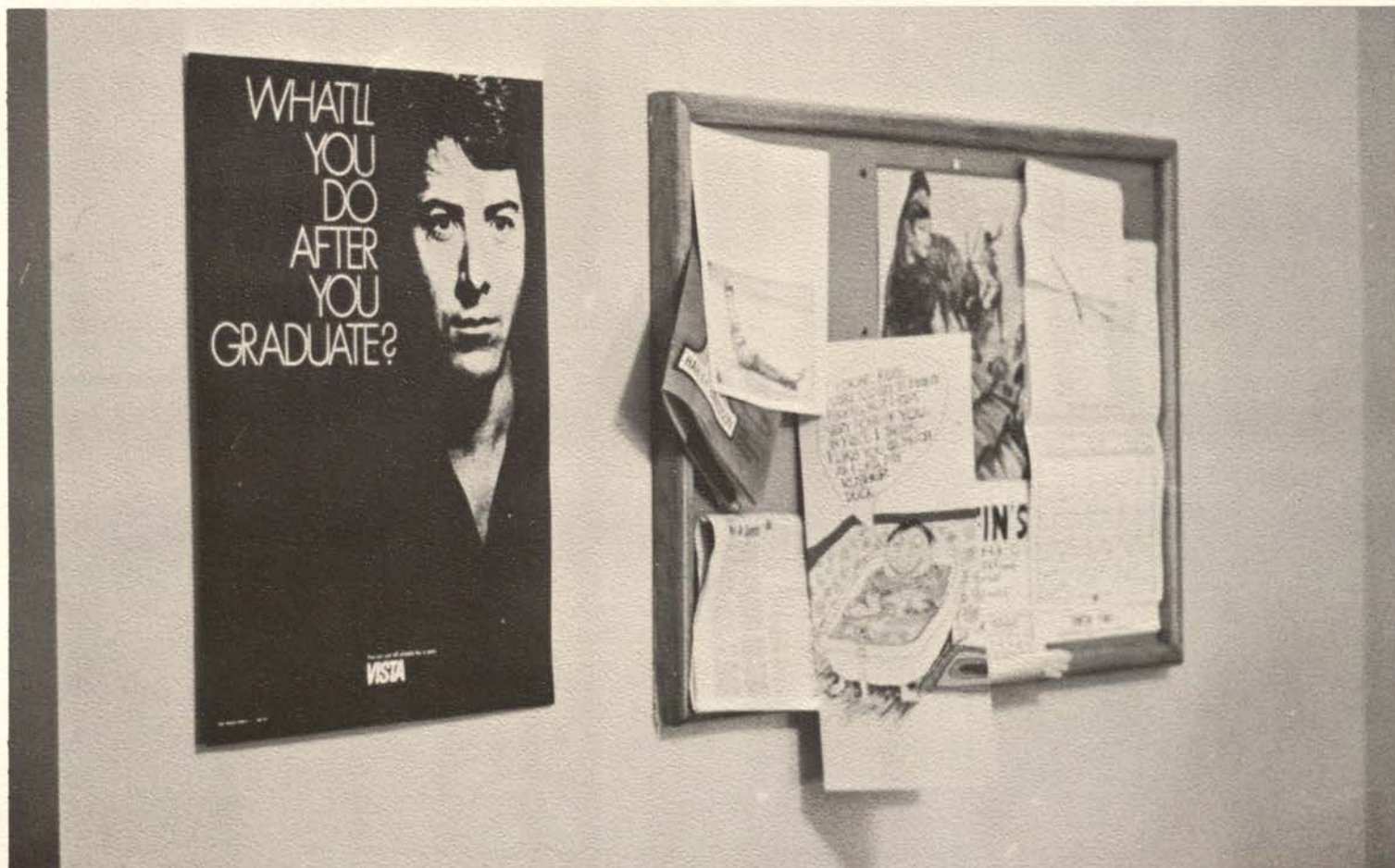




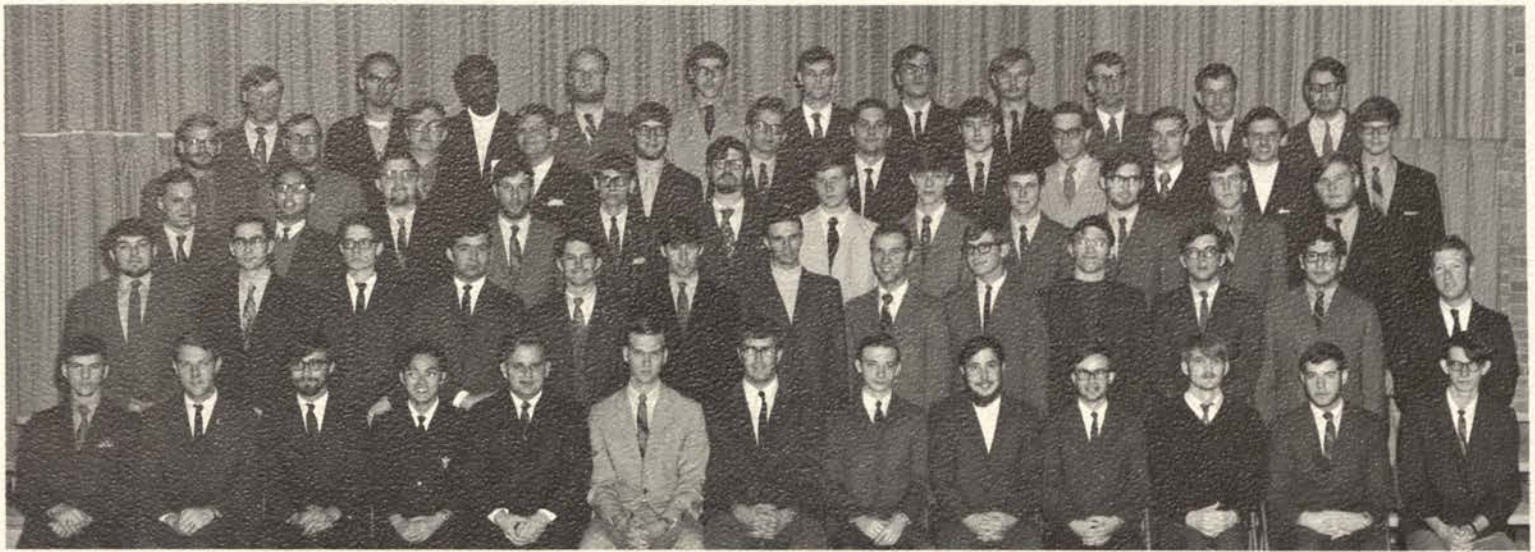


In an effort to expand their bodies as well as their minds, the men of House C take a Saturday afternoon from their studies for a game of touch football.

Posters often serve as a reminder that sooner or later even the men of House C will graduate and then must find a suitable career for themselves.







KELLY HALL-HOUSES C and D—FRONT ROW: Doberenz, M., Ward, R., Chenoweth, S., Koike, L., Habegger, R., Dale, R., Gaus, R., McBride, M., Glynn, D., Fromm, M., Grommet, E., Noel, D., Mitchell, M., ROW 2: Phillips, R., Elchinger, G., Yaeger, E., Schippers, R., Fureigh, M., Buel, C., Hill, J., Butch, D., Toombs, H., Secretary-Treasurer; Long, L., Havenstein, G., Price, M., Finkelstein, M., ROW 3: Hardy, L., Chambuss, A., Reynolds, J., Advisor; Alford, J., Bruening,

J., Retzinger, R., Abernathie, D., Taylor, C., Howell, J., Cromer, J., Schindler, G., Randall, R., ROW 4: Stubbs, J., Secretary; Wehking, M., Harman, S., Kugler, D., O'Brien, F., Kinast, R., Bowlin, J., Ellis, T., White, R., Rice, D., Governor; Felstein, S., Gauss, M., ROW 5: Kreutz, T., Blaha, R., Newman, R., Phipps, J., Muehlberg, M., Henry, H., Lieutenant Governor; Thurow, J., Barger, M., Dean, D., Brinkman, S., Knuth, D.

## House C most active in MRHA activities

In defiance of a dormitory regulation that states no pets will be allowed in the dormitories, the residents of Kelly Hall openly display their mascot.



Packing to go home for the summer is both fun and hard work as the year's collection of souvenirs must be stuffed away.







WRHA—FRONT ROW: Clifton, A., Treasurer; Velasquez, B., 2nd Vice President; Hughes, J., Secretary; Smith, S., President; Rogers, J., House Mother; Bush, A., Personnel Assistant; Brewer, L., ROW 2: Rainey, N., Takahashi, A., Montague, E., Evans, P., Rois, R., Smith,

A., Littehen, S., Hahn, P., Riley, S., Kottwitz, A., ROW 3: Stutsman, J., Swoboda, A., Langemach, C., Pace, G., Krupp, D., Kuhl, J., Fugitt, D., West, M., Hahn, J., Sanders, D., Kaynia, N.

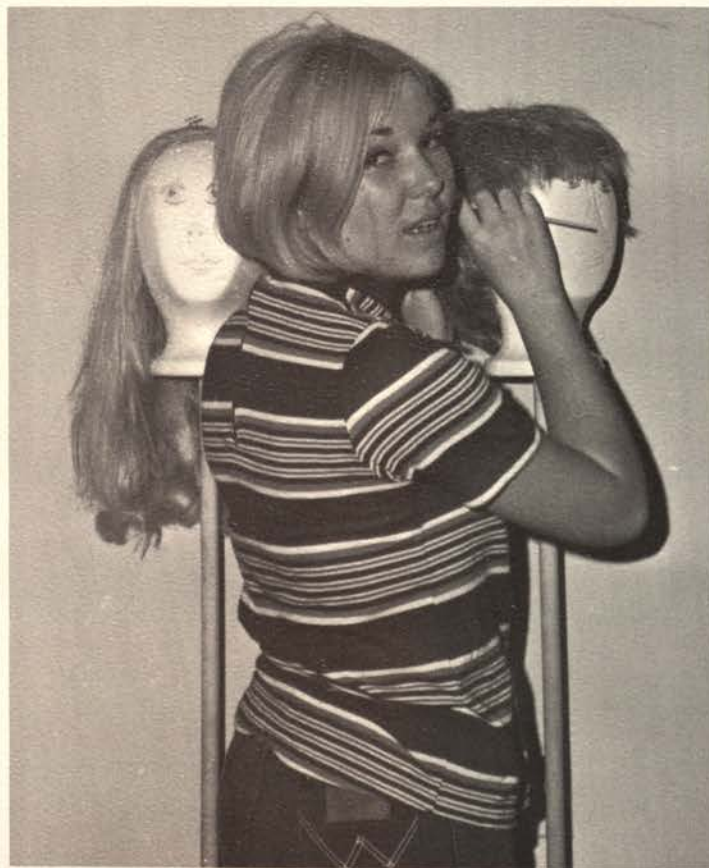
## WRHA completes first year in new residence

WRHA in its first year at 500 W. 9th has increased in number to 39 girls. What was once Stuart Apartments is now UMR's girls' dorm, with carpeting, private baths, study rooms, a color T.V. in the lounge, closed circuit television, and a snack kitchen. Not only is it a comfortable living unit, it is a social and athletic group also.

With the introduction of girls' intramurals, WRHA was represented in basketball, badminton, swimming, tennis, and captured second place in volleyball. The governing body of the girls is a student organization of all the resi-

dents. This group, is now officially recognized with a member on the student council. The girls gave a Thank You Tea to all those who helped in the remodeling of the dorm, helped sponsor a Christmas party for underprivileged children, and participated in the Ugly Man Contest. WRHA is presently helping in the establishment of a UMR Red Cross Blood Committee. While studying and socializing can mix, some discipline was needed. The university hired a housemother and a student-personnel assistant to keep the dorm in good, friendly harmony.

Pat Evans takes a break from her studies to demonstrate to a friend the art of pantomime and its effectiveness during enforced quiet hours.



Because she's not sure which hair she wants to wear tomorrow, Alberta Kottwitz decides to have two wigs ready to select from the next day.



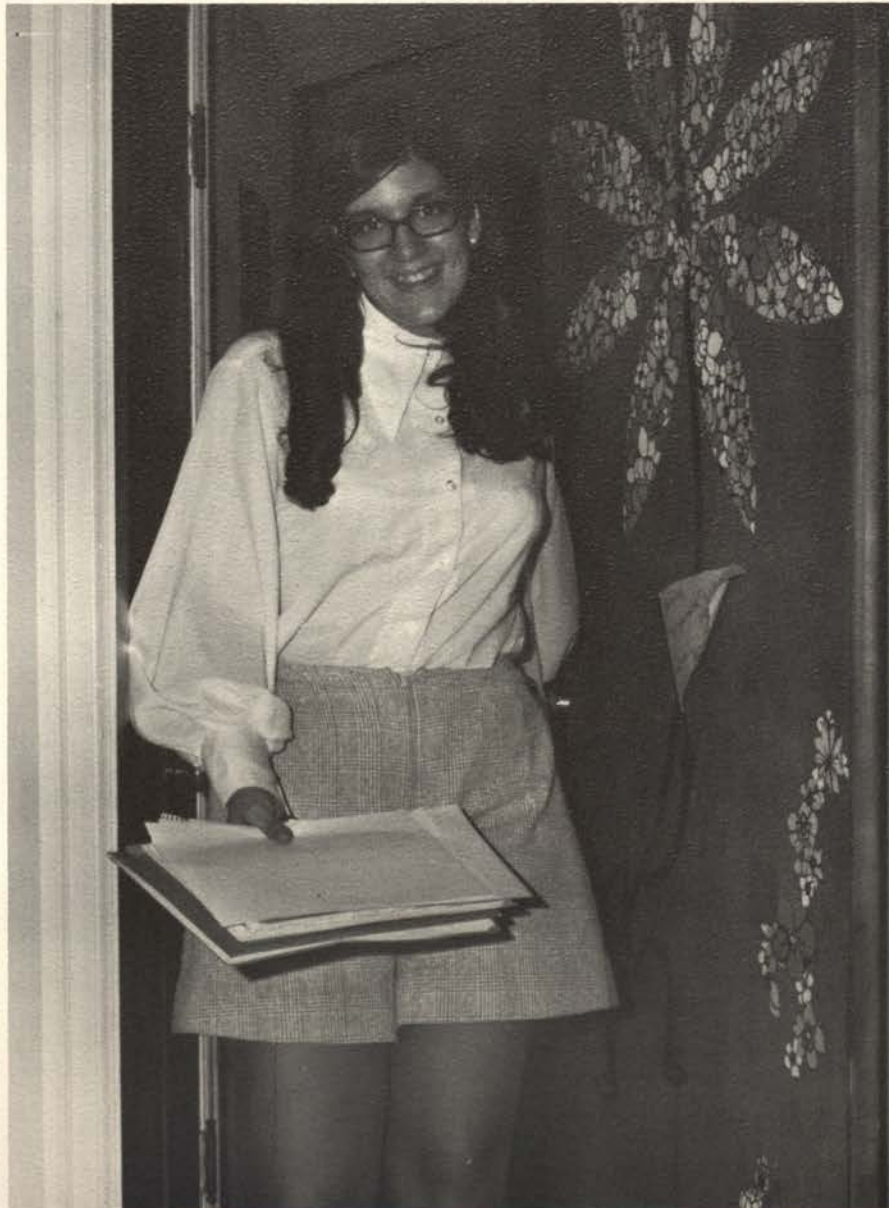


Bea Velasquez finds that a little male help makes those hard calculus problems seem as easy as her physics problems.

Pat Evans finds it difficult to hold a phone conversation especially when Alberta persists in making such a racket.



Elisha Stipe finds that keeping up is the best way to prevent falling behind, especially in literature.



Warm smiles and flowers, such as those of Margarete Spiry, are always in abundance in the girls' dorm, especially when help is needed in a particularly difficult course.



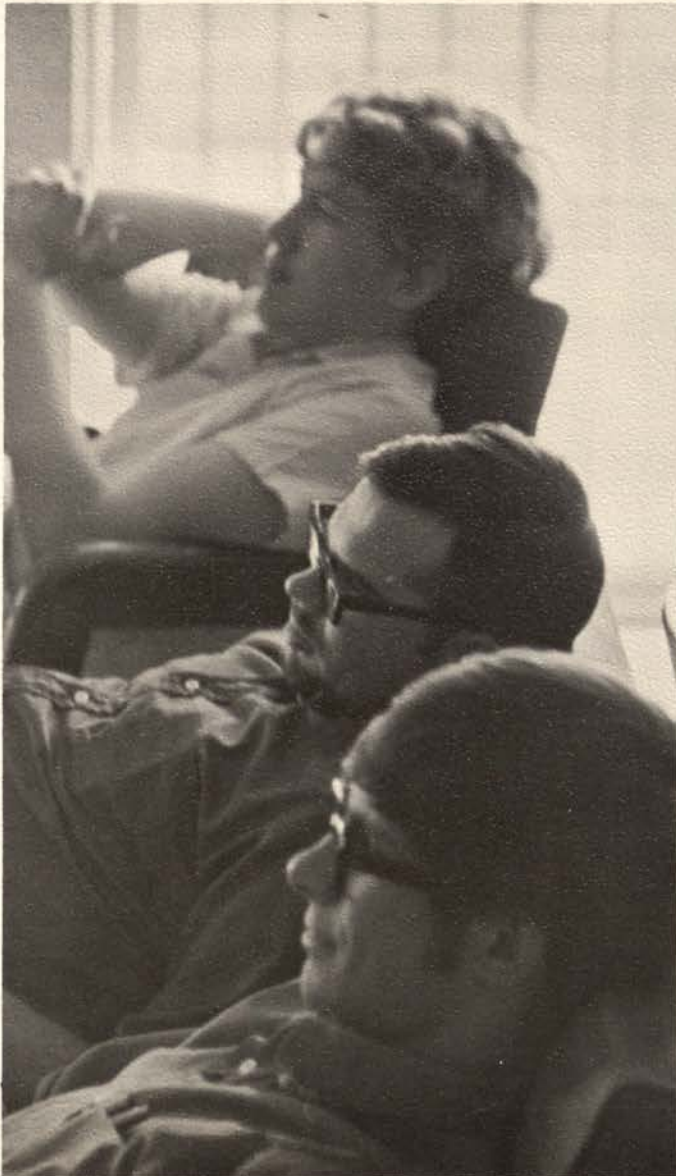




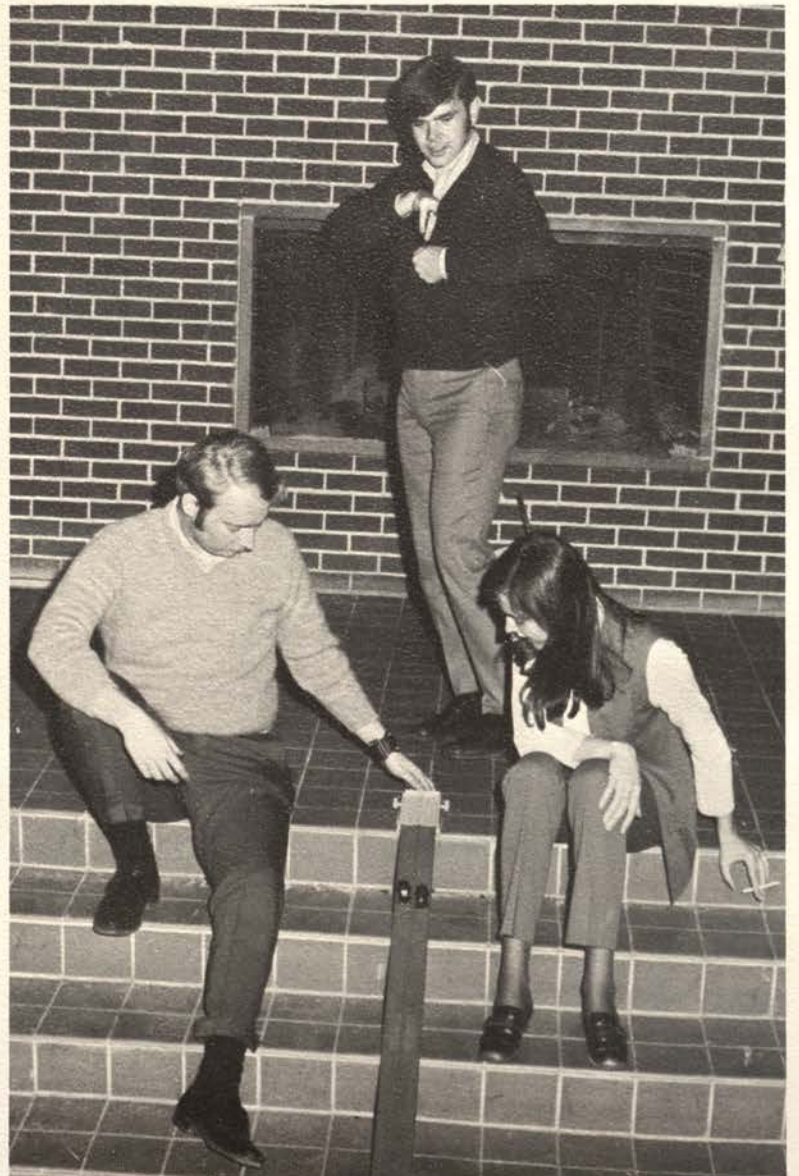
THOMAS JEFFERSON—SECOND FLOOR—FRONT ROW: Breidert, J., Monzon, P., Traynor, L., Vice-President; Richards, J., Zambon, E., President; Manke, E., Huebner, E., ROW 2: Meyer, C., Witt, S.,

Chao, P., DeMange, K., Ousley, N., Pfeiffer, J., Butler, J., Evers, M., Ismay, G., Wilson, K., ROW 3: Mason, W., Thro, M., Myers, J., Smith, C., Schaper, J., Beecher, S., Lamb, M., Rages, K., Wilke, S.

Any one of the television lounges at TJ provides stimulating and thought-provoking subjects, as evidenced by these residents.



Thomas Jefferson International Dragway is open in the main lounge anytime two hot rodders, a starter, and sufficient equipment are available.







THOMAS JEFFERSON-THIRD FLOOR—ROW 1: Montague, M., Hentz, T., Taylor, A., President; Keller, D., Vice-President; Dicus, J., Ambrose, B., Vice-President; Allen, K., Schmidt, T., Rothermich, D., Toth, B., ROW 2: Wilreker, V., Wise, A., West, K., West, K., Lucas, G., Oligschlaeger, D., Carson, A., Reel, D., Alexander, A., Taleb, T.,

Hunsicker, J., ROW 3: Birk, D., Herrmann, J., Blevins, R., Zweifel, D., Bolt, M., Busch, S., Buechler, T., Ellebrecht, D., Kavintha, M., Schvessler, R., ROW 4: Tokraks, G., Wing President; Jones, J., Kilper, R., Mulik, E., Brune, W., Jones, J., Williams, T., Frake, T., Stratman, M.

## TJ offers residents complete social life

At Thomas Jefferson Residence Hall, the introduction of girls' intramural sports brought the "TJ Dolls" to the courts to participate in every activity. The air-conditioned dormitory provided students with plenty to do during "off-duty" hours. In addition to participation in the girls' intramural program, the Thomas Jefferson Residence Hall's male occupants competed in all sports and made a fine showing. The swimming pool at TJ was always in use during the latter part of the spring semester, as the weather got warmer. During party weekends, TJ was the scene of many parties.



For some reason the food served in the cafeteria always looks more appealing on someone else's plate, particularly if it's steak night.

The followers of Frank Woodbury feel that TJ should be dedicated in honor of Frank for his long tenure and invaluable guidance to TJ.







THOMAS JEFFERSON-FOURTH FLOOR—ROW 1: Tyler, J., Vice-President; Welsch, P., Juneau, C., Treasurer; Pietrzak, P., Trentmann, N., Dufner, C., President; Gayer, J., President; Callihan, C., Barrett, A., Vice-President; Brown, M., Prewitt, R., Lambeth, D., Vice-President; ROW 2: Ackmann, D., Kuharic, C., Nardantonio, D., Bowser, J., Yates, F., Ahmann, G., Shelley, G., Lederle, G., Benson, B., Urasik, H., Anderson, G., Davis, R., Schmitz, G., ROW 3: Holt, D.,

Kessler, R., Gaia, M., Bailey, M., Steffens, M., Tester, B., Kantsch, R., Elliott, G., Thien, G., Hackworth, J., Cadwallader, G., Smith, R., Najjar, A., ROW 4: Coggeshall, S., Epperson, R., Basthel, L., Gonzenbach, J., Tiefenbrunn, D., Kmech, G., Hartmann, J., Harris, R., Hammer, G., Bishop, J., Podleski, A., ROW 5: Tegtmeyer, W., Elliott, J., Buchta, S., Bashilj, W.



Some students find that different forms of art work provide a good release from the demands of studying and everyday activities.

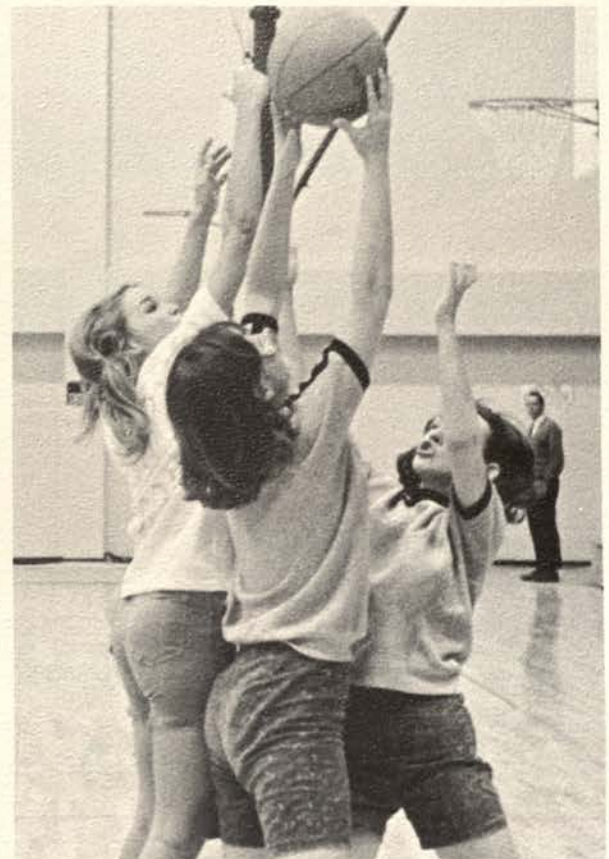
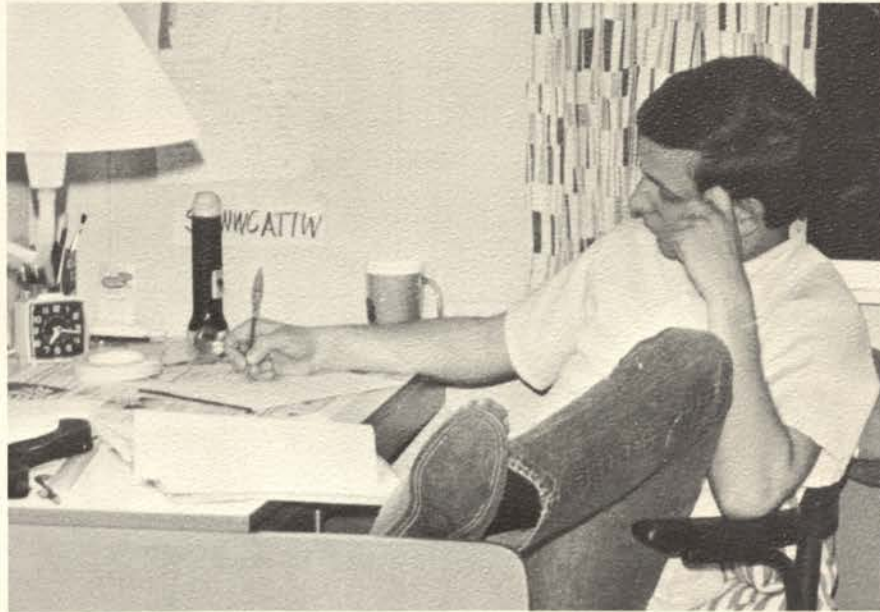
Foreman Dick Herrin takes a good hold of the Christmas tree while the other members of his work crew attempt to get the tree mounted firmly.







The warm weather always makes studying seem secondary to getting out into the fresh air, but these two students compromise.



In the girl's intramural basketball finals, the TJ Dolls proved to be a stubborn opponent for the champions.

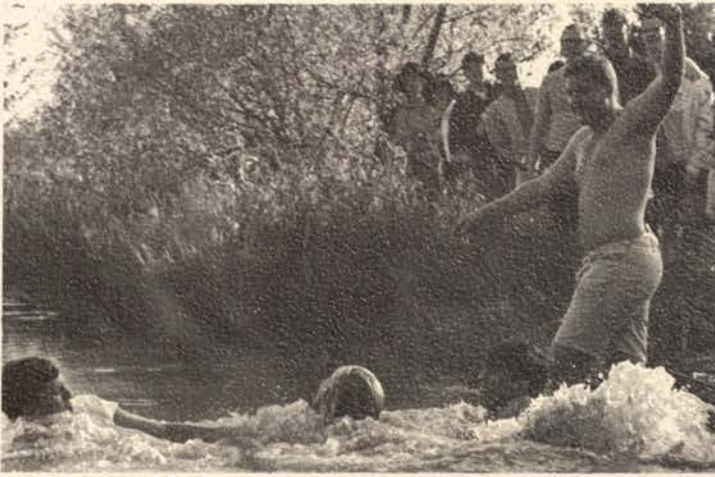
Writing letters required very little time, but sometimes the content was as challenging as a lengthy term project.



THOMAS JEFFERSON-FIFTH FLOOR—ROW 1: Horky, B., President; Erickson, G., Vice-President; Throckmorton, R., Tyner, C., Ditch, D., Andrew, W., Borwick, B., Vice-President; Chiles, M., Hill, R., Adler, B., Mattern, B., ROW 2: Gastreich, K., Kuhnmann, B., Veden, L., Hinkle, S., Bonacker, D., Sparks, G., Mengel, M., Nelson, F., Delker, D., Senter, D., Juhl, A., ROW 3: Leimkuhler, J., Royle, G.,

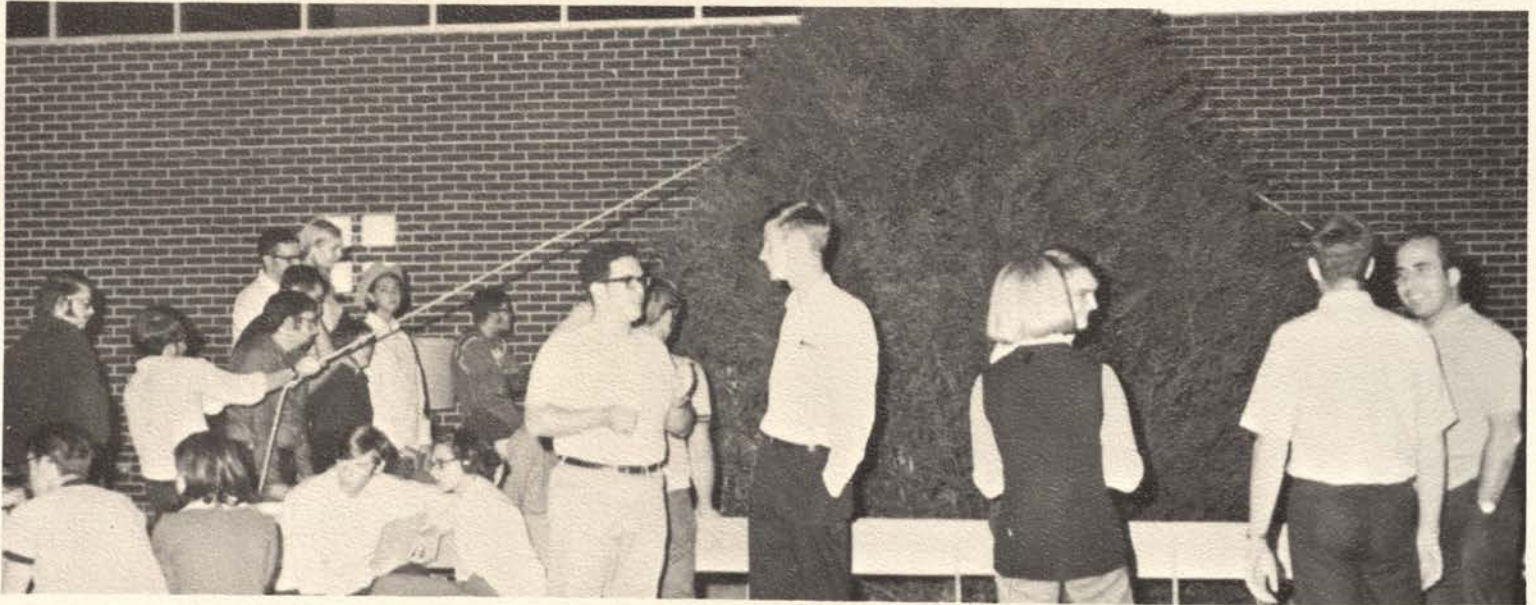
Vogelpohl, D., Asher, M., Nance, T., Sterett, T., Rappi, J., Traina, B., Marsala, T., Johnson, D., ROW 4: Oroza, C., Mushill, E., Asencio, N., Willoughby, R., Muller, R., Arens, T., Lepper, S., Smith, K., Greaves, M., Matthews, B., Tsimpris, D., ROW 5: Pennell, M., Hardyshell, S., Shanes, C., Simmons, C., Kathmann, S., Todd, D., Stanley, N., Olson, J., Bulla, B., Miller, R., Kleine, C.





In the tug-of-war at Lions Park during Independents' Weekend, the better part of T.J.'s team goes for an unexpected swim in the muddy lake.

The carpeted halls of Thomas Jefferson provide a comfortable spot for group study, or just a gathering of residents to compare notes on a class.



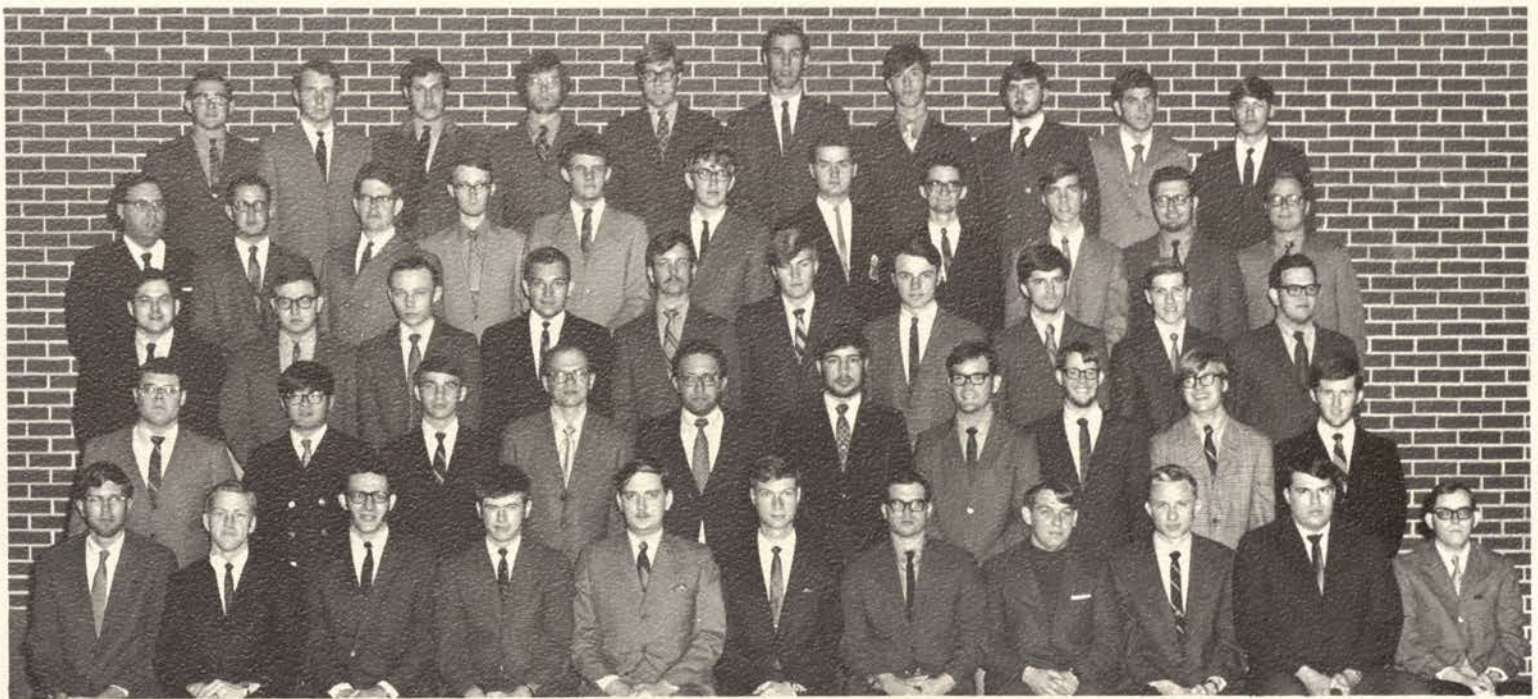
Getting into the Christmas spirit requires a huge tree, decorations, strong labor force, and the usual amount of sidewalk supervisors to give advice.



THOMAS JEFFERSON-SIXTH FLOOR—ROW 1: Collins, R., Stephens, M., Cash, C., Cora, J., Blankenship, W., Pollack, L., Deaver, President; Eaton, B., Bartley, W., Vice-President; Frey, N., President; Older, C., ROW 2: Hong, W., Kerls, G., Veneris, A., Clark, R., Assapi, M., Abboud, M., Sharp, H., Bohannon, D., Ellison, K., Luge, J., Sim-

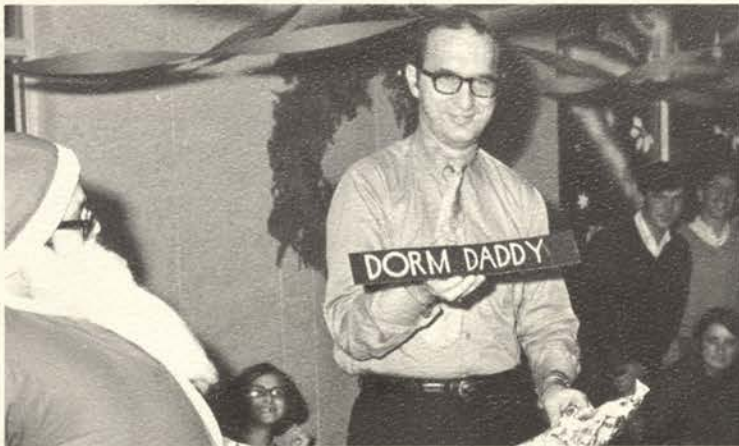
mons, M., ROW 3: Brown, B., Crank, D., Christen, R., Engelhardt, W., Keng, A., Mohamed, S., Masli, D., Susanj, J., Carter, R., Grotfelty, H., Darmon, D., ROW 4: Johnson, J., Hardebeck, D., Leono, H., Budd, V., Katz, R., Calvin, S., Anderson, G., Laskowski, L., Johnson, W., Karhuse, R., Raiff, C., Crow, R.





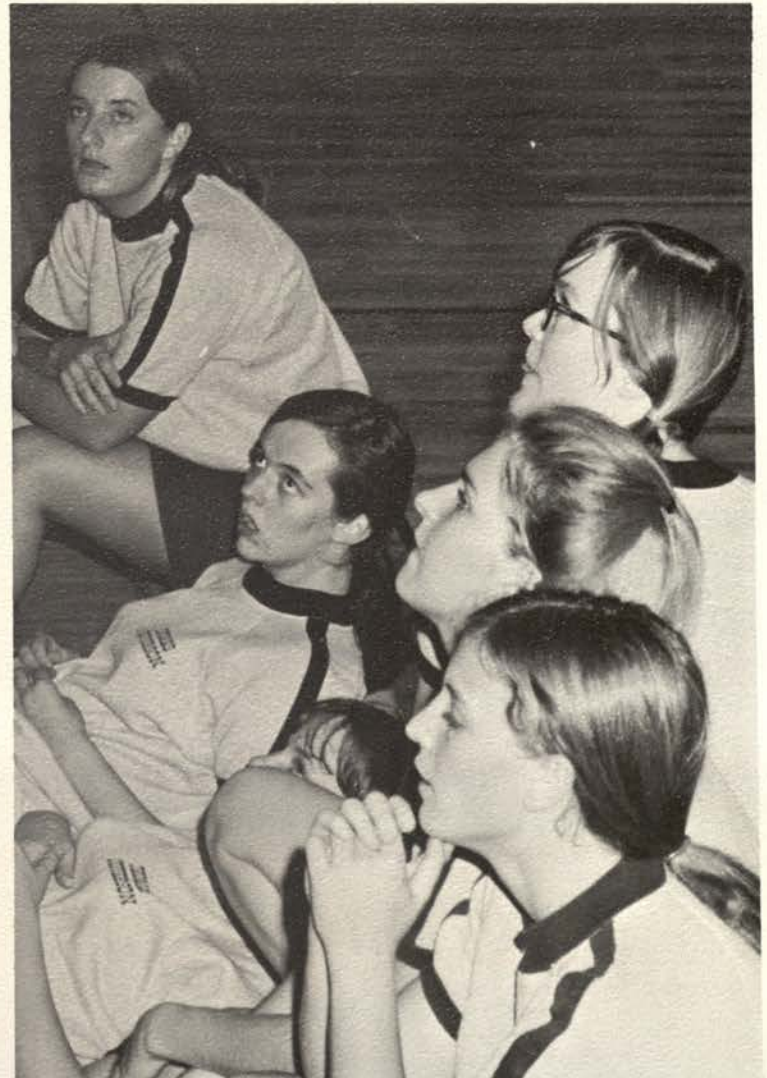
THOMAS JEFFERSON-SEVENTH FLOOR—ROW 1: Zeidlik, R., Peterson, R., Diebold, N., President; Arnold, R., Parkes, R., President; Potzmann, K., Ross, J., Waggoner, J., Butchko, R., Vice-President; Etwert, C., Farrell, J., ROW 2: Wiesehan, J., Williams, E., Alletag, R., Harms, T., Moscoso, J., Cortopassi, S., Schneider, M., Holliday, B., Kunkel, A., Herrin, D., ROW 3: Kramer, G., Keating, J., Boshears,

J., Haberl, E., Taylor, R., Koch, C., Townsend, J., McNulty, C., Stevens, D., Douth, T., ROW 4: Welsch, W., Harshaw, R., Lissant, K., Raley, J., Hildebrandt, R., Strank, D., Diepenbrock, J., Gastineau, B., Heincker, W., Hoech, R., Grant, M., ROW 5: Dempsey, R., Kirkham, B., Berger, C., Rowe, D., Smith, D., Blizewski, B., Haas, G., Hatfield, G., Martin, J., Lamano, L.



At the annual Christmas party the residents of Thomas Jefferson give Frank Woodbury the official title "Dorm Daddy" because of his fatherly help.

Water fights are present in every dormitory, and Thomas Jefferson is no exception as this resident prepares for his icy fate.



The TJ Dolls basketball team gets a few words of encouragement and advice from their coach at half time in a game against Rolla I.







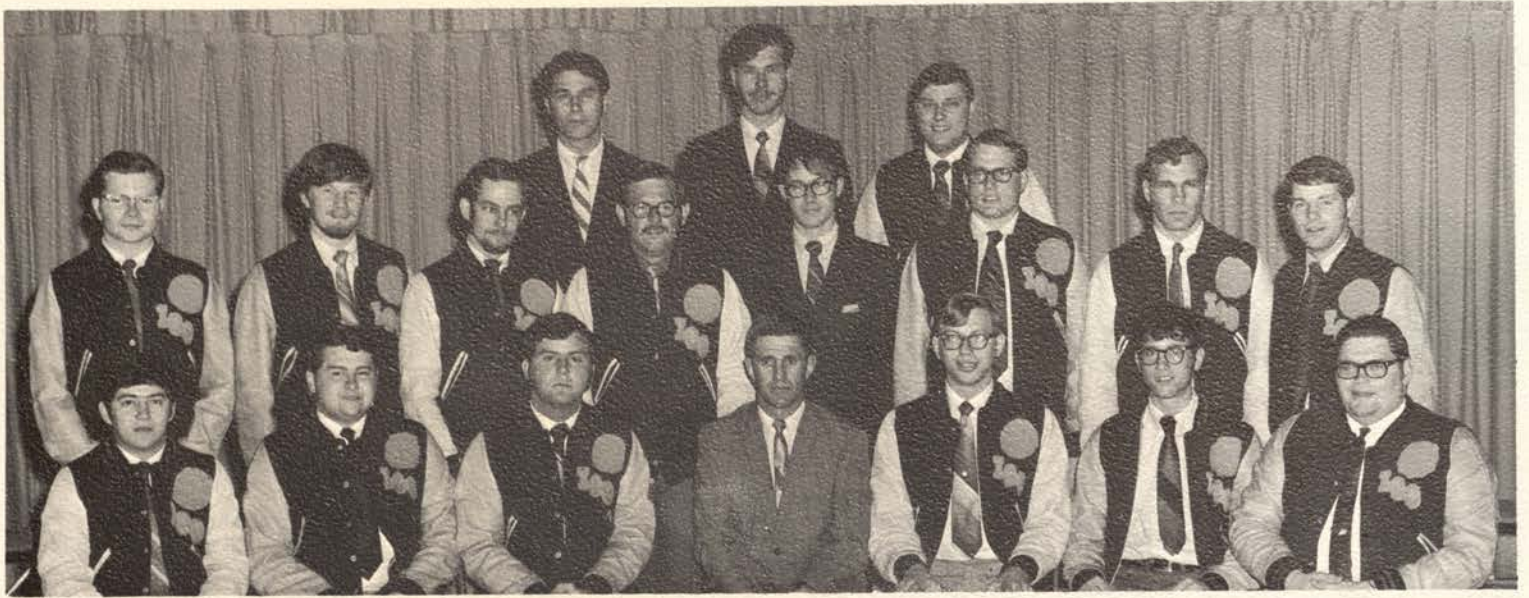


## Off Campus

ICC takes a special interest in St. James Boys' Town . . . Campus Club sponsors many activities for its members . . . Engineers' Club wins second consecutive intramural championship and becomes more active in campus affairs . . . Prospectors' Club celebrates opening of long awaited new facilities . . . Fifty-Niners win third straight intramural bowling title, but fail in their bid for a fifth straight basketball championship . . . Shamrock Club boasts larger membership than any other eating club or fraternity on campus . . . Tech Club starts construction on new building after year delay . . . Students living off campus find a variety of living accommodations . . . Married students enjoy the comforts of a full family life while attending school . . . Trailer courts are popular residences for students.







INTER-CO-OP COUNCIL—FRONT ROW: Branham, J., Parsons, J., Treasurer; Cotter, J., Vice-President; Moss, L., Schnyder, H., President; Ruhland, M., Secretary; Kammerer, J., ROW 2: McVernon, G.,

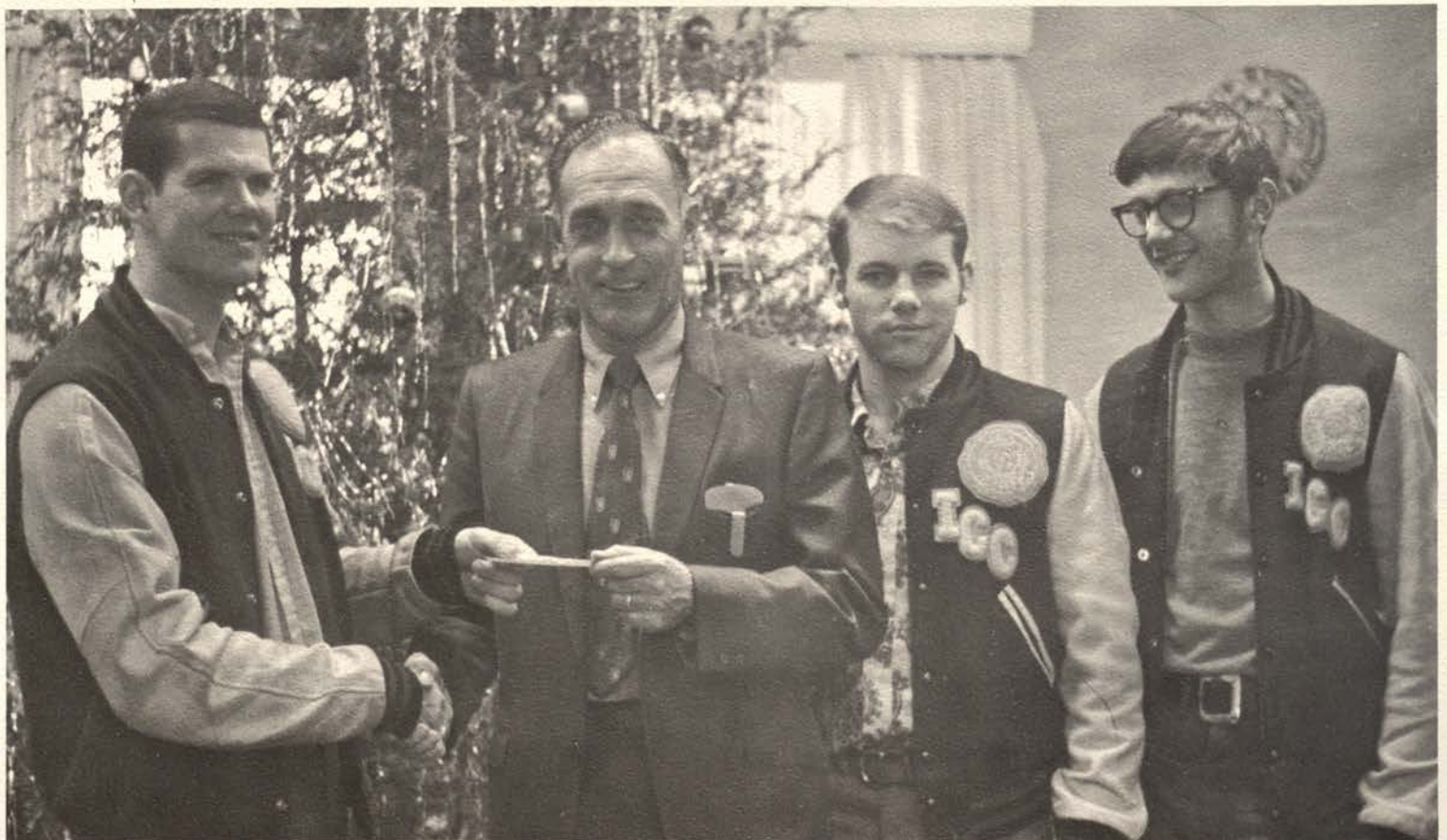
Vandenbergh, M., Overturf, R., Bulloch, G., Robinson, G., Mahlandt, N., Alkermeyer, C., Nimmo, S., ROW 3: Schneider, R., Etzenhouser, R., Schaeffer, M.

## ICC takes special interest in Boys' Town

As the coordinating organization for the six eating clubs on campus, the Inter-Coop Council represented over 900 students. ICC continually strives to make its member clubs more than just a "place to eat." To do this, ICC sponsored several fine dances and helped clubs who wanted to have dances on party weekends. The Council members were active in the initiation of a campus-wide blood-drive program. ICC took a special interest in the

boys from St. James Boys' Town. In December the boys were guests of ICC for a Miner basketball game and a few days later received a Christmas check from the Council. ICC also sponsored two track meets for mentally retarded children, culminating the year's service projects to the community. ICC is also proud to have one of the finest advisors on campus, Mr. Lou Moss, who has been a source of advice and encouragement throughout ICC's history.

ICC president Terry Edwards, Steve Nimmo, and Mike Ruhland present a check to St. James Boys' Town to help buy Christmas presents for the boys.

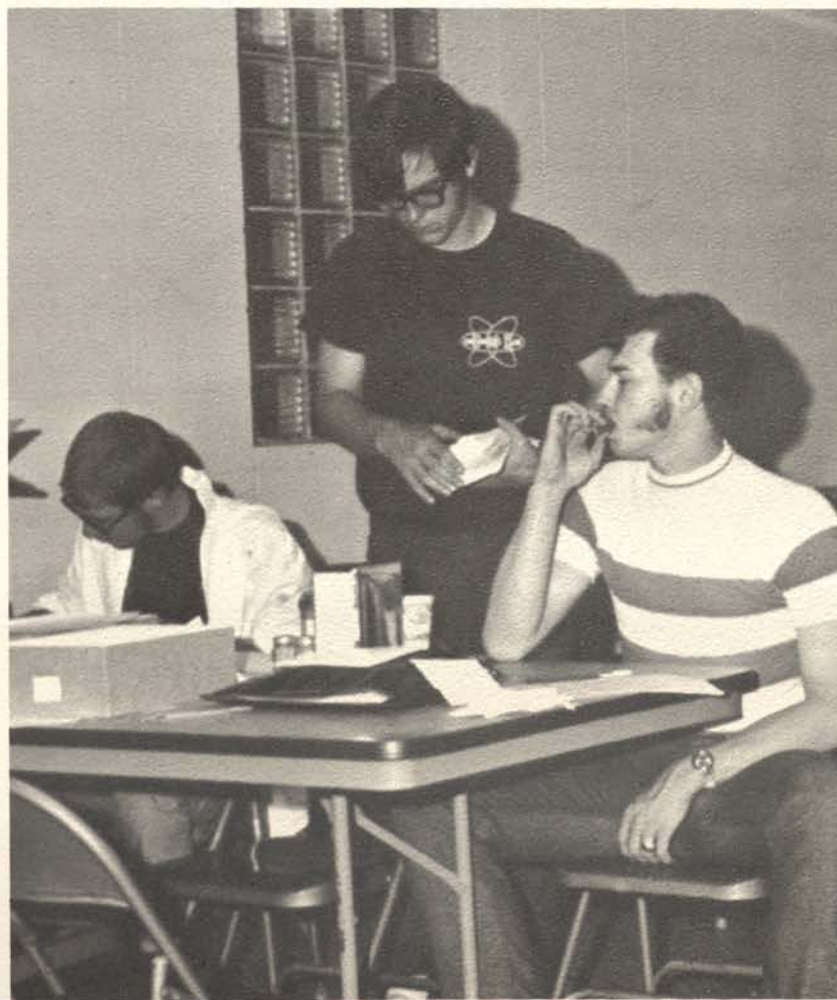






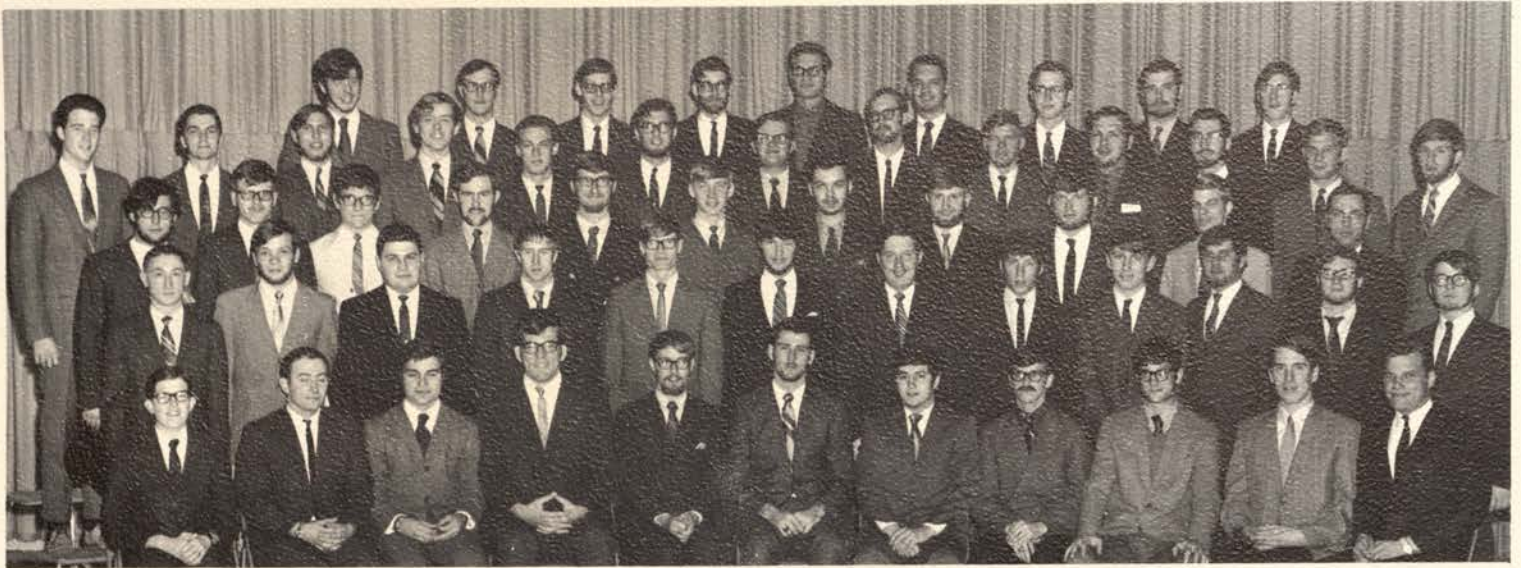
Terry Edwards presents a Christmas present to the ICC advisor, Mr. Lou Moss, in appreciation for his dedication and guidance to ICC in the past years.

Members of the various eating clubs help address envelopes which contain some facts about eating clubs and ICC to be sent to incoming freshmen for the fall semester.



UMR coed Pat Evans has a satisfied look on her face as she dances to the throbbing music at a Christmas dance sponsored by ICC.





CAMPUS CLUB FRONT ROW: Ford, L., Wilson, D., Niesen, R., Heisserer, L., Robinson, G., Belingloph, G., Secretary-Treasurer; Branham, J., President; Bolt, P., Ruhland, M., Vice-President; Boevingloh, J., Thies, F., ROW 2: Durham, V., Wilhelms, S., Teisa, E., Fletcher, R., Bruemmer, M., Waddell, L., Steele, H., Laux, J. Mertens, J., Ernest, W., Visintainer, A., Trost, D., ROW 3: Witt, G., John-

son, L., Faes, T., Commerford, J., Basel, D., Caverno, P., Bunch, M., Rissell, M., Palmer, J., Goldammer, S., Trancynger, T., ROW 4: Majors, S., Layton, D., Lindsey, R., Reinke, D., Crask, R., Reynolds, J., Whitaker, R., Nolan, L., Bowen, W., Hale, M., Trancynger, M., Nagel, J., Allen, R., ROW 5: Lawler, J., Cambier, J., Lenzing, R., Collings, J., Jordan, T., White, C., Wiedermann, W., Maddux, L., Cagle, W.



The men of Campus Club can always be found congregating across the street from the club, talking about subjects from studying to girl-watching.



Campus Club is known for its good food and reasonable board bills, but at this meal some of the members are not too enthusiastic about the cuisine.

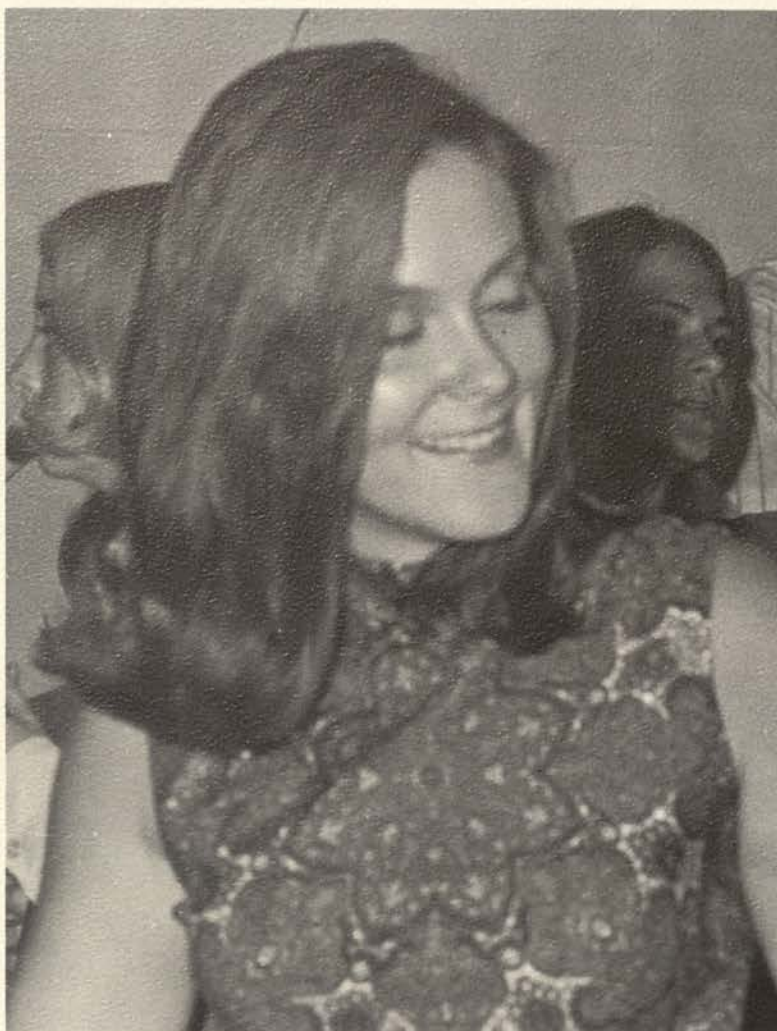
Before sitting down to a wholesome hot meal, the members of Campus Club visit the "cow" for a cold glass of milk to wash down their supper.



# Campus is more than just an eating club

Campus Club, established in December 1963, is the youngest of the six eating cooperatives at UMR. It served 175 students through the regular and summer semesters from its new air-conditioned building at 1304 Pine Street. During the past year the members proved their scholastic capabilities by maintaining a 2.67 grade-point average, which was the high for all eating clubs. To enable new and old members to become acquainted, float trips, outings, and work days were organized. To round out the members' social life, the club sponsored several parties which proved to be highly successful. The past year's activities and the membership proved once again the club's motto: "Campus Club is more than just an eating club."

The enthusiasm generated by Campus Club at the Miner football games earned them the third place trophy in the Twelfth-Man contest.



This Miner's date enjoys the music at the Campus Club dance over Independents' weekend, and hopes that the night will bring more fun later on.

CAMPUS CLUB—FRONT ROW: Varrone, N., Dicken, S., Easterday, R., Shoeneffeld, C., Oleksiw, G., Stevenson, B., Deardeuff, D., ROW 2: Walker, S., Murray, C., Whaley, L., Kramer, R., Woodruff, J., Loveall, J., Wood, D., ROW 3: Close, S., Strother, G., Hooper, T., Behr, M.,

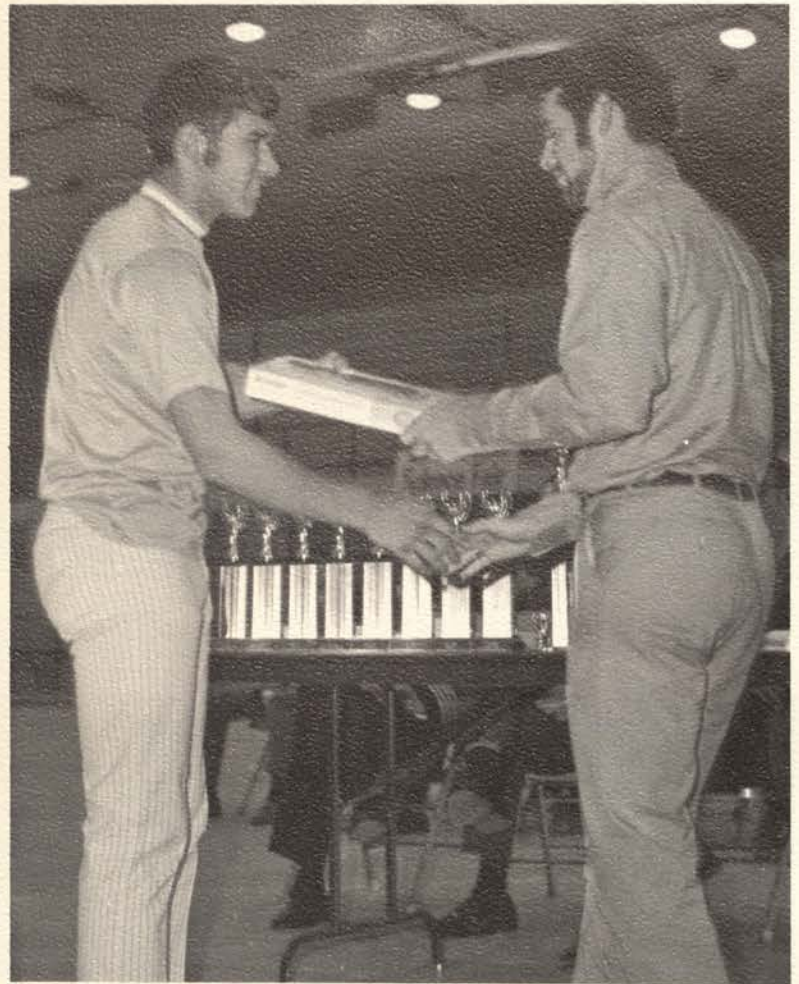
Schneider, R., Davis, S., McCormick, L., Benton, J., ROW 4: Wilkism, B., Parman, S., Lynch, D., Schlett, P., Dodge, J., Wade, R., Herron, M., Sager, D.





# Engineers capture IM championship

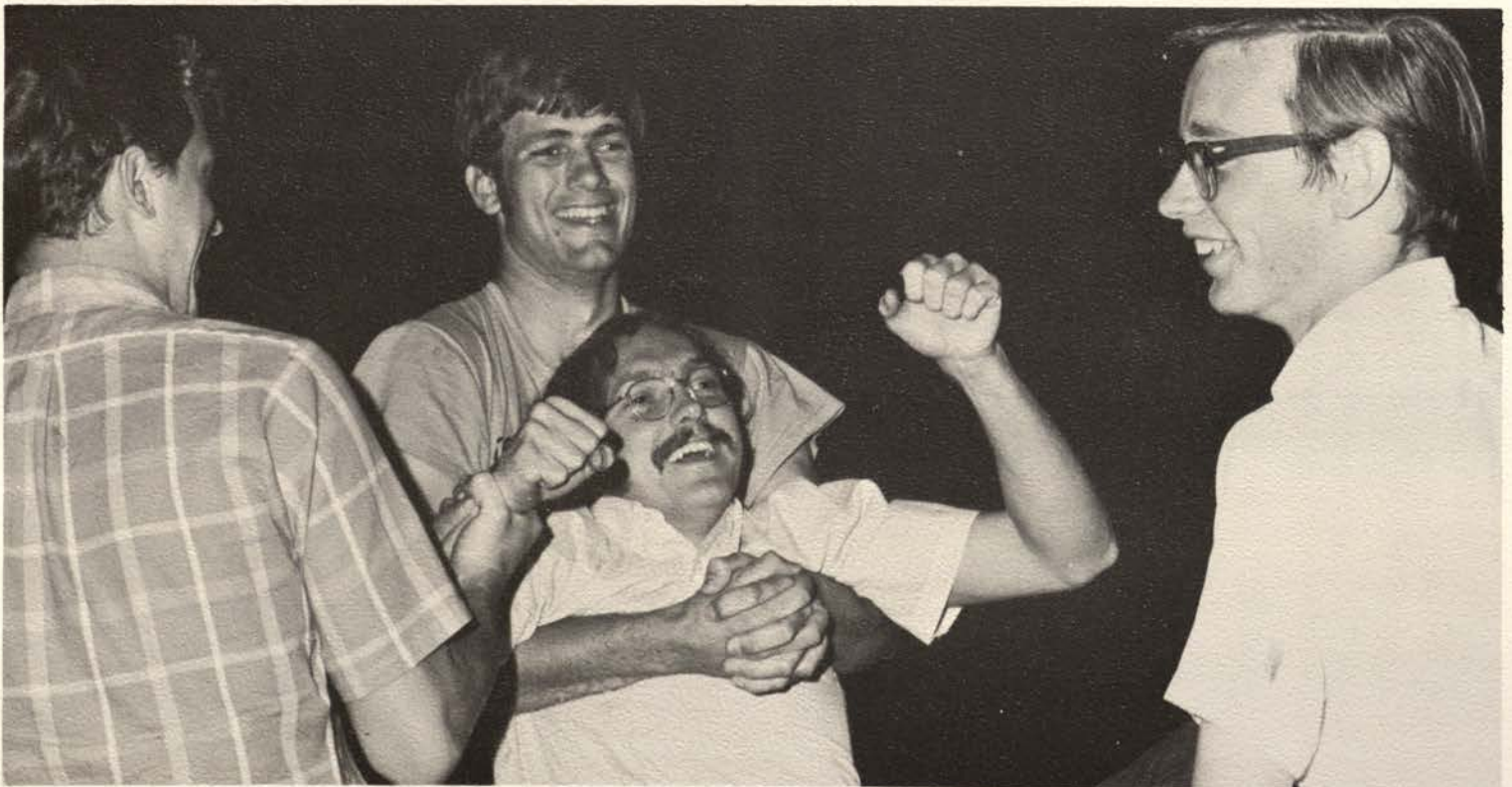
For the second consecutive year the Engineers' Club captured the overall intramural championship. Although their only first-place finish came in cross country, the Engineers maintained their top point totals through consistent play in all other sports. Sports, however, were not the only concern of Engine Club. As a whole, the Engineers took an active part in university and civic affairs. Engine Club was the first campus organization to contribute to the UMR Centennial Fund, and also sponsored a prize for the science fair in the spring. Plans are currently underway to establish a loan fund. The Engineers also made strong showings at the various blood drives. Individually, the Engineers' Club contributed several officers to the Rollamo and other campus organizations.



Steve Nimmo, president of Engineers' Club, presents an award sponsored by the Engineers' Club to an outstanding high school student at the Science Fair.

At Engine's victory celebration, Don Dieckmeyer points out the finer aspects of the Indian game to Buck Richmond and Jack Starwalt.

An Engine Club tradition is to throw the outgoing officers into the depths of Frisco pond after elections, so Bob Zerbonia is carried away to his fate.







**ENGINEERS CLUB—ON FLOOR:** Falkenheim, D., Hammel, L., Pautler, K., ROW 1: Swinny, D., Kammerer, J., Hollis, J., Zerbonia, R., Jordan, R., Vice-President: Nimmo, S., President: Foster, M., Secretary: Wolff, A., Daniel, E., Overturf, R., Wortman, D., Treasurer; ROW 2: Sabharwal, K., Cramer, G., Kohnen, T., Kriegshauser, P., Cannon, W., Herman, T., Garrigan, P., Meyer, J., Gee, J., Roe, D., Bradshaw, M., Walker, H., Gutzler, B., Frankforther, D., ROW 3: Hamilton, D., Nikraves, K., Unger, R., Roth, M., Hoelscher, J., Baygents, L.,

Fleschner, T., Hoenig, D., White, R., LeBrell, C., Breite, R., Newberry, A., DeClue, G., ROW 4: Jordan, E., Egbert, R., Crow, M., Stoddard, L., Forbeck, J., Hardy, G., Bachmann, D., Mason, J., Nester, L., Helm, G., Phillips, D., Wolf, D., Dougherty, R., ROW 5: Brown, W., Ball, V., Zerwig, L., Schroer, D., North, M., Appleton, J., Newton, J., Hart, R., Bondurant, D., Williams, H., Bremer, W., Angelich, M., Collins, W., Cameron, R., Shaefer, W., Maddox, D., Bumpus, G.



At Engineers' Club annual spring cleanup, house manager Ed Daniels sets out an incentive to attract workers, as Don Hoenig and Howard Gray express their willingness to help.

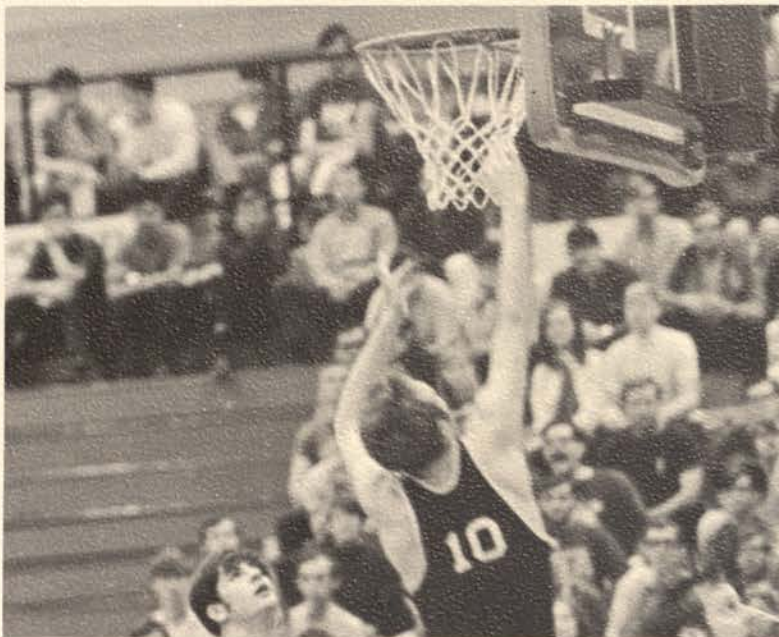


Ron Dougherty grimaces in determination as he finishes the half-mile run far ahead of his competition.

Proudly displaying the intramural trophy for the second consecutive year, these Engineers raise their fingers symbolizing Engine's number one ranking.







## Fifty-Niners repeat as bowling champs

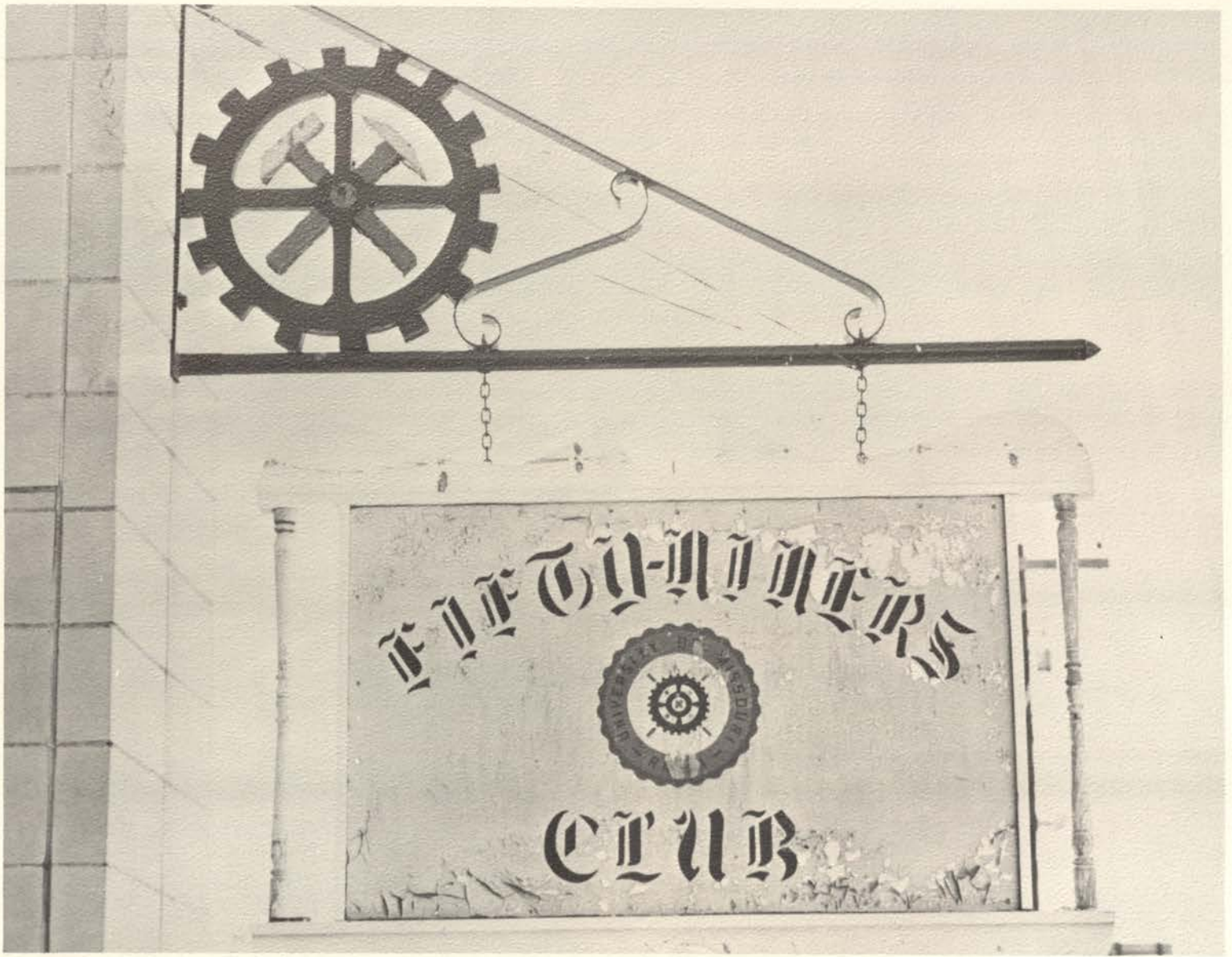
The 1969-70 school year marked the fourth straight year that the Fifty-Niners finished among the top five teams in intramurals. The Fifty-Niners swept to their unprecedented third straight triumph in bowling, thereby retiring the Colonial Lanes travelling trophy. The Fifty-Niners also finished second in basketball, marking the first time in six years they failed to win the championship. The club was the scene of two highly successful G.D.I. beer busts this year. Plans are currently underway to redecorate the club.

In a bid for their sixth straight intramural basketball championship, the Fifty-Niners fight hard for every basket and every rebound.

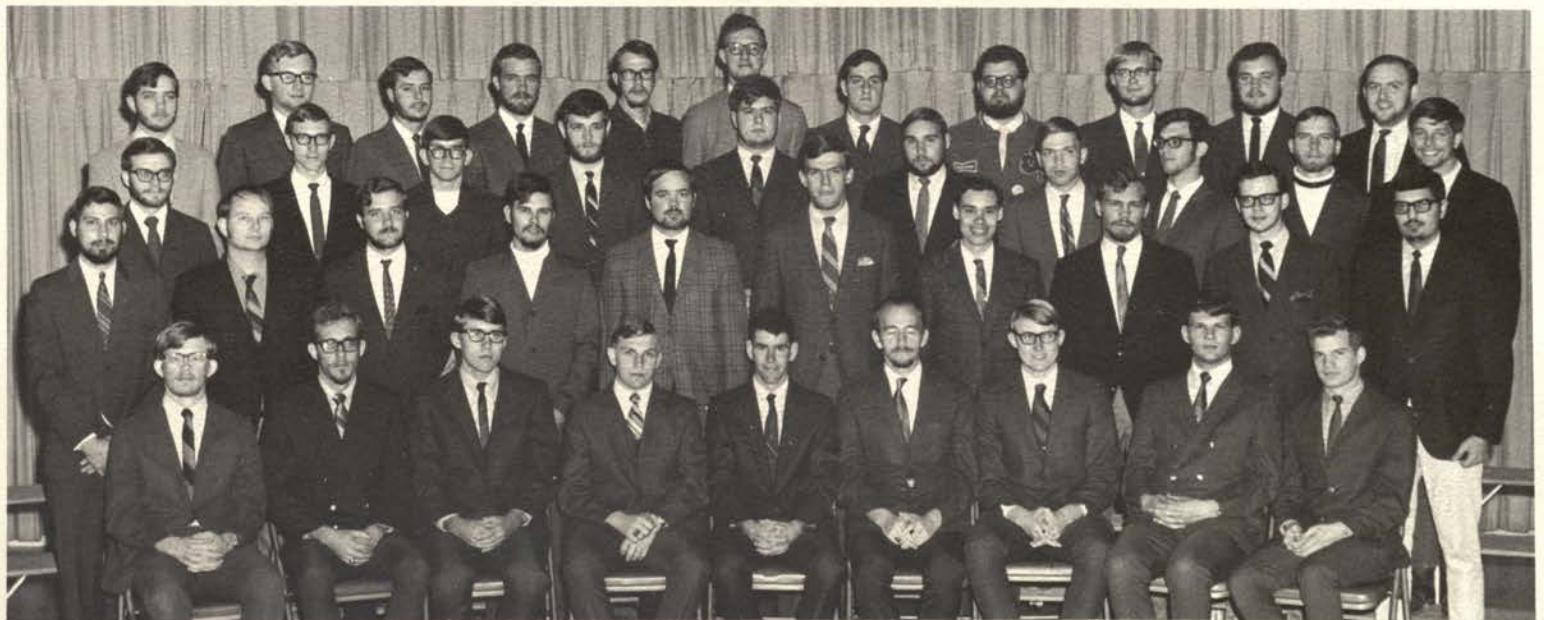
With only a few minutes left in the game, the Fifty-Niners find themselves trailing by only a few points, making each rebound extremely important.







The badly weather-beaten sign of the Fifty-Niners signals to hungry Miners that a good hot meal is awaiting them just down the staircase.



FIFTY NINERS CLUB—ROW 1: Hoffmann, R., Hess, D., Rutz, B., Winkler, T., Mangan, L., Secretary; Halter, P., President; Rutz, A., Summers, L., Steward, R., ROW 2: Wormington, T., Andrews, K., Brown, B., Macios, E., Showmacker, E., Ebbesmeyer, D., Feurer, J., Alkemeyer, C., McNamara, T., Thomas, D., ROW 3: Thomasson, W.,

Hanger, S., Browne, K., Maher, G., DeClue, T., Ferguson, T., Thompson, K., Gatrost, A., Rudder, H., Kappus, K., ROW 4: McCleary, R., Crowley, S., Pennington, D., Herbold, J., Hollrah, D., Taylor, R., Kruep, D., Brown, W., Stricker, J., Cook, J., Nenninger, W.



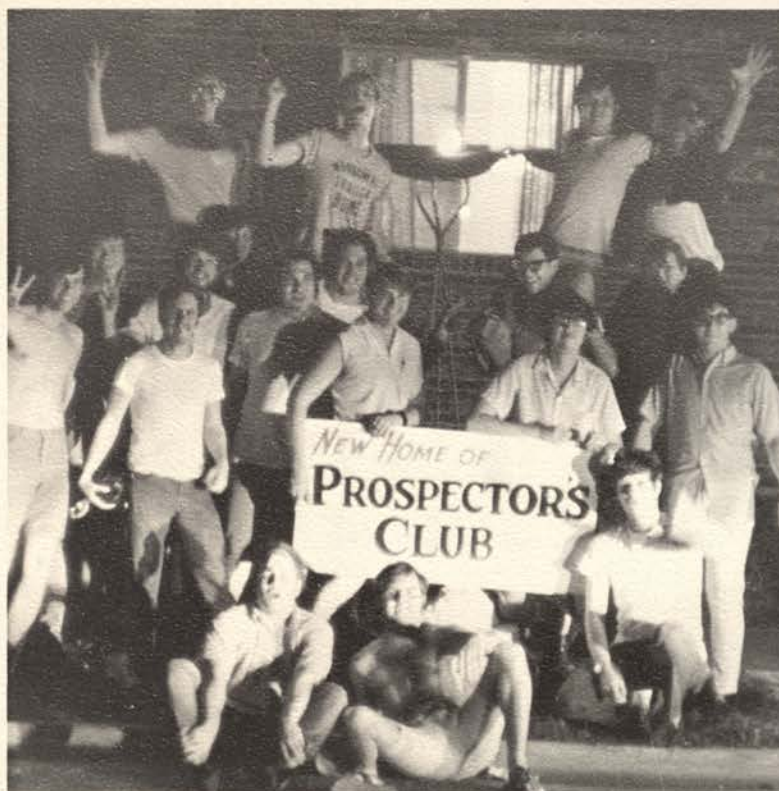
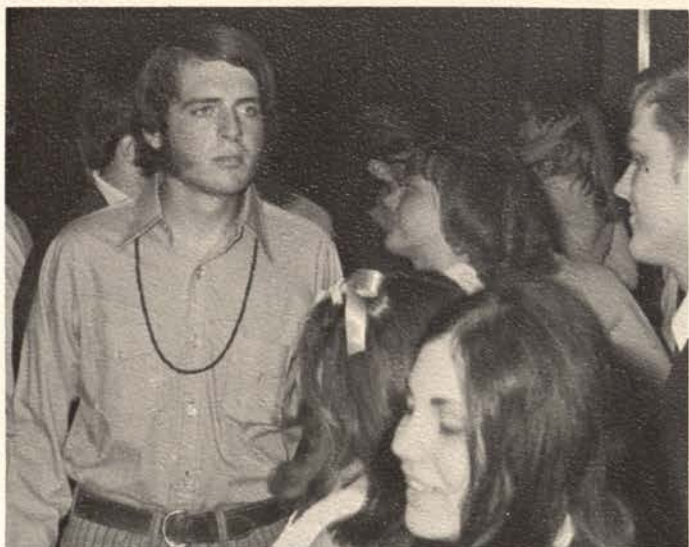


**PROSPECTORS CLUB**—ROW 1: Ripley, D., Vice-President; Reed, A., Parsons, J., Cotter, J., Secretary & Treasurer; Etzenhouser, R., President; Bullock, G., Schnyder, H., Kelley, J., Moss, L., Gladish, L., ROW 2: Thomure, T., Farishon, C., Green, A., Moder, M., Mills, J., Seabaugh, A., Hayes, R., Carson, J., Durham, T., Davis, H., Fiebelman, D., ROW 3: Justice, J., McCarty, D., Bischoff, G., Bryan, D.,

Parker, R., Sandella, M., Stampick, M., Hartenberger, J., Scheller, J., Korth, M., Pierce, J., ROW 4: Burk, D., Tutka, J., Altrup, G., Modene, L., Stauffer, J., Yancey, R., Hankins, J., Hatayodom, T., Calvert, J., Brewer, L., ROW 5: Keith, R., Sherard, R., Ripplinger, D., Davidson, D., Braun, J., Logan, V., Crouch, J.

The opening of the new Prospectors Club brought all the members to the club for a gala christening celebration and a night of fun.

During the dance at Prospectors Club at Homecoming, many Miners found themselves looking for a date who seemingly disappeared.



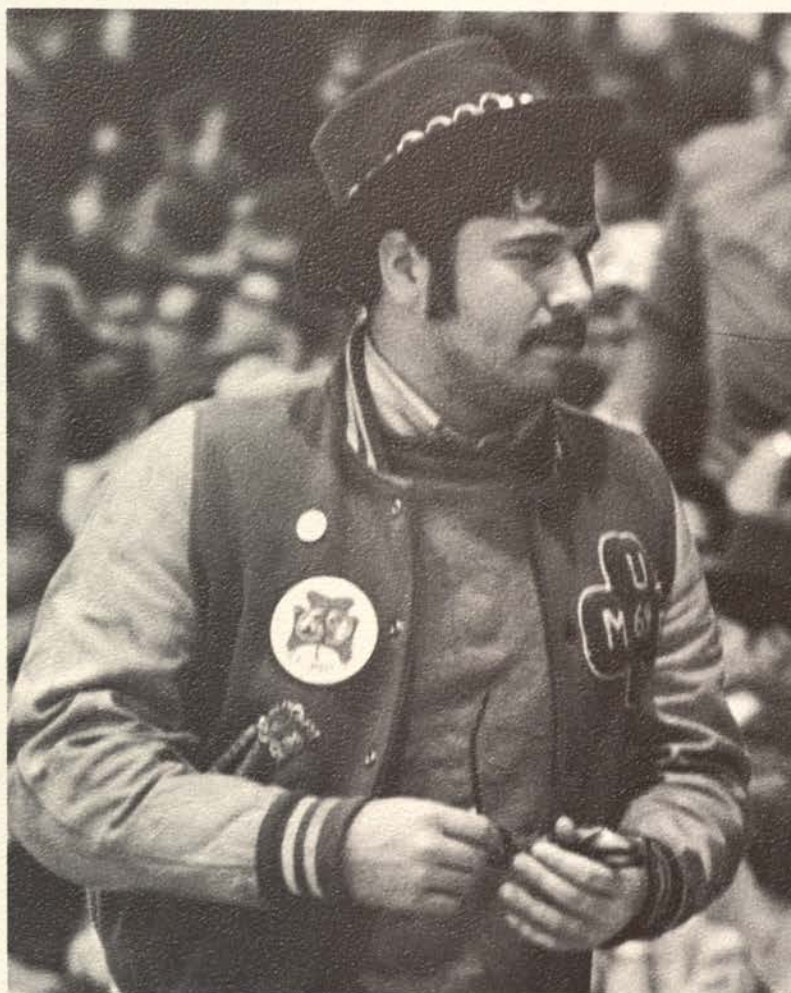
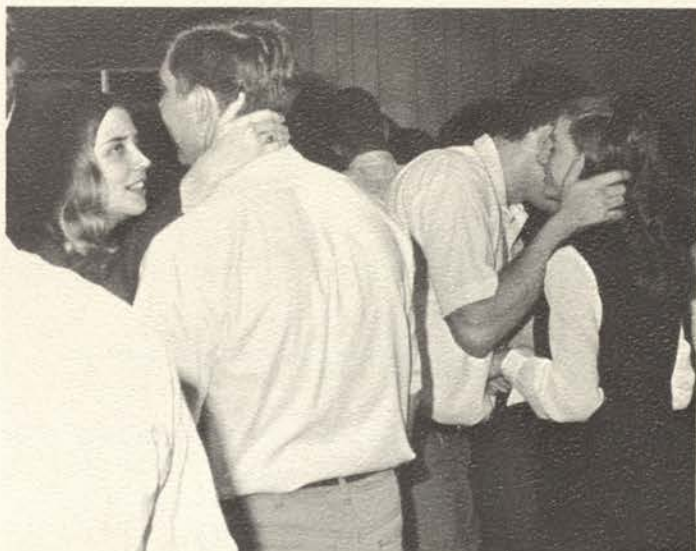
The Prospector's speedy halfback tries an end sweep around the oncoming linemen of PiKA in an intramural football contest.





## P-Club spends first year in new building

The beginning of the 1969-70 school year marked the opening of the new building of the Prospectors Club. After eating elsewhere for the better part of the spring semester last year, the Prospectors Club is back together again. Their new building stands at the site of the old club, 205 W. 10th St., and provides eating facilities for approximately 160 men as well as rooms for their president and secretary. To bring the members closer together, the club sponsored fall and spring outings; as well as several dances, to round out the members' social life. The men of P-Club worked together to give the club recognition in intramural sports and to be well represented in campus activities and organizations.



Dave Ripley, Prospector's vice-president and St. Pat's representative, takes a walk for refreshments during halftime at a recent Miners' basketball game.

The Independents' Weekend dance at Prospectors Club provided good music and a romantic atmosphere for the Miners and their dates.

The new Prospectors Club is finally completed after a two-year delay, and is ready to provide an eating facility for over 160 hungry Miners.



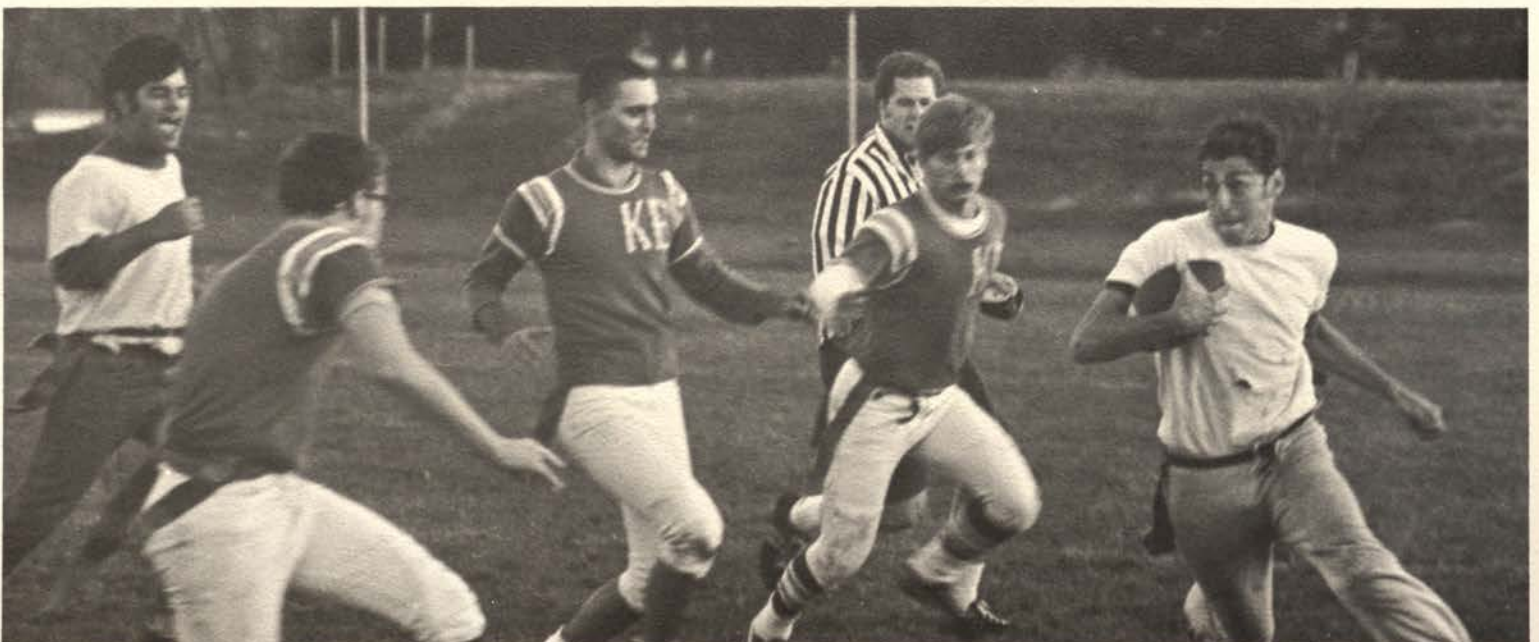


# Shamrock makes life easier for members



Plenty of beverages are always available at a Shamrock mixer, but these members take no chances and squeeze out every precious drop.

Dave Sibigroth, one of Shamrock's outstanding overall athletes, attempts to pour on the speed and get around the Kappa Sig defenders for a touchdown.



Shamrock Club, as in past years, had a larger membership than any other eating club. Shamrock had a highly successful year, sponsoring a dance on almost every party weekend: Homecoming, Independents, Military Ball, and St. Pat's. A few benefit dances were also sponsored by the Club. Having the second highest grade-point average of the eating clubs proved that the members of Shamrock did not dance all the time. This year the members got together and painted the interior of the club. Additional remodeling is planned for the coming year. Shamrock also participated in all intramural sports, making the school year for the members a little easier.



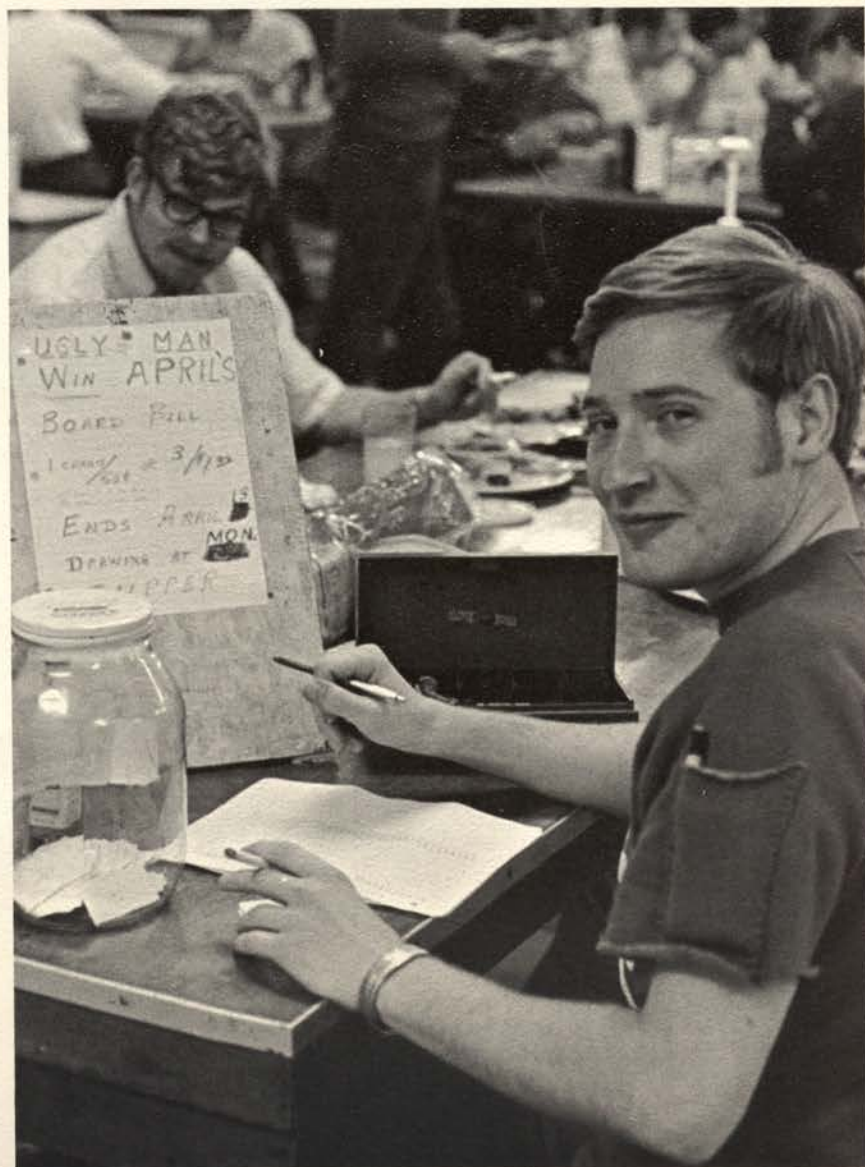
Shamrock's emblem, the shamrock enclosed in an iron wheel, signifies Shamrock Club as an integral part of university affairs.





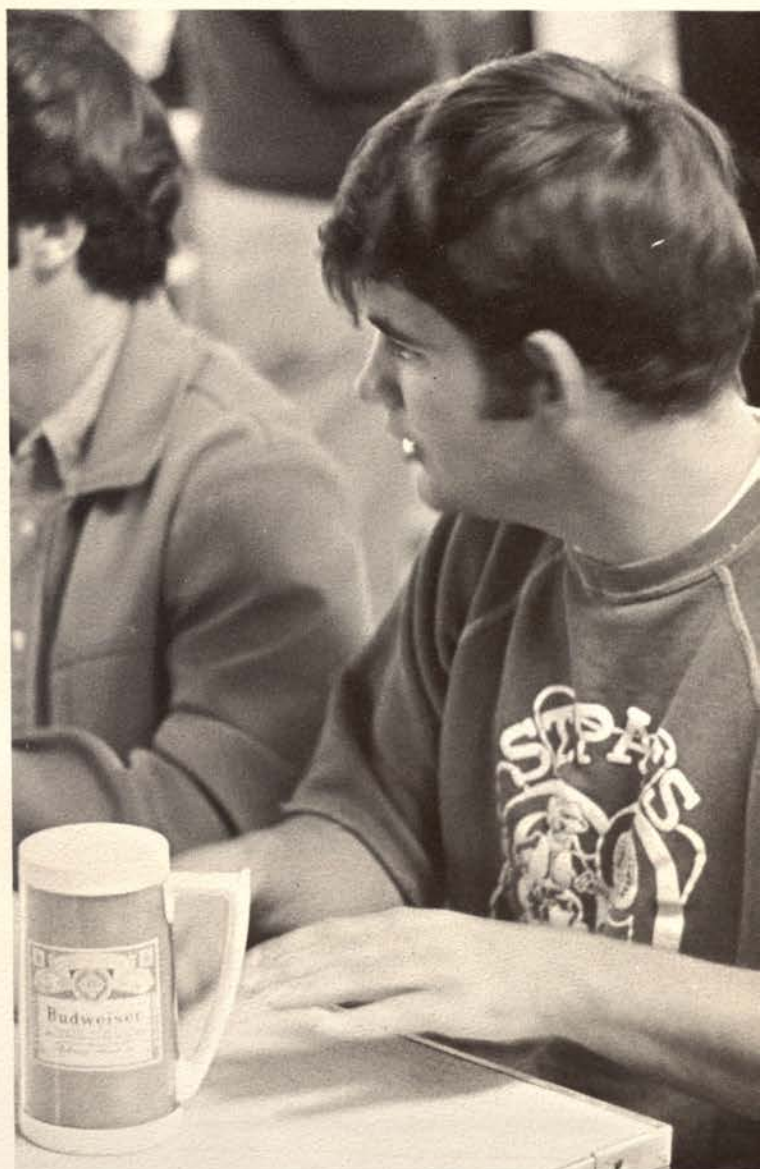
**SHAMROCK CLUB—FRONT ROW:** Wendt, A., Paul, D., Heinlein, D., Secretary; Waltermann, D., Schneider, R., Lavery, A., Gielow, K., Treasurer; Scott, D., Sibigroth, D., Johnson, K., Vandenbergh, M.,  
**ROW 2:** Struempf, J., Jerden, B., McJimsey, E., Wagner, P., Mathes, G., Purvis, R., Eppestine, D., Barton, R., Plank, D., Jeffries, J., Griffin, R., Steudtner, R., Seay, W., Roth, T., Bajaj, R.,  
**ROW 3:** Smith, H., Park, D., Boettcher, G., Fischer, D., Palmer, C., Weiss, D., Weibrecht, R., Ballard, D., Zelch, J., Praful, V., Ditty, P., Burt, W., Blank-

enship, L., Justus, J., Wilson, L.,  
**ROW 4:** Menkel, E., O'Hara, M., Mueller, R., Matron, E., Jarrett, B., Grotefendt, R., Chenoweth, D., McCray, B., Mitchell, M., Seals, O., Barnes, W., Mays, L., Burk, E., Ernest, W., Sodnamoc, W., Powell, R., Earnest, R., Cook, R., Jussyp, J.,  
**ROW 5:** Warren, J., Berkel, E., Clarke, R., Kurchkholl, T., Byrne, J., Smart, R., Zoellner, F., Kleinsorge, R., Blanchard, D., Barker, J., Coleno, D., Wrinkle, L., McVeigh, S., Whitford, J., Higdon, W., Schneider, J., Sechrest, R.

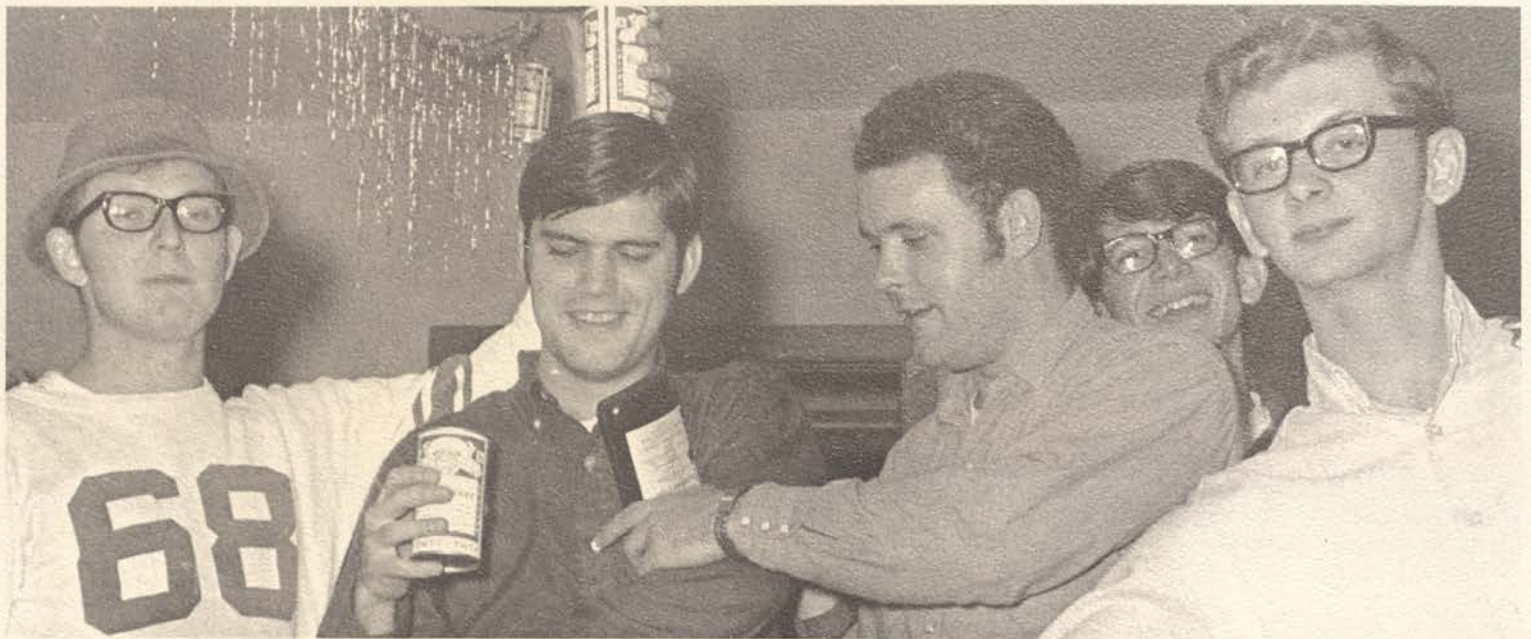


Ken Johnson, Shamrock's Ugly Man, raffles off chances on the April board bill in an effort to raise money for Theta Tau's Ugly Man Contest and become the Ugliest Man.

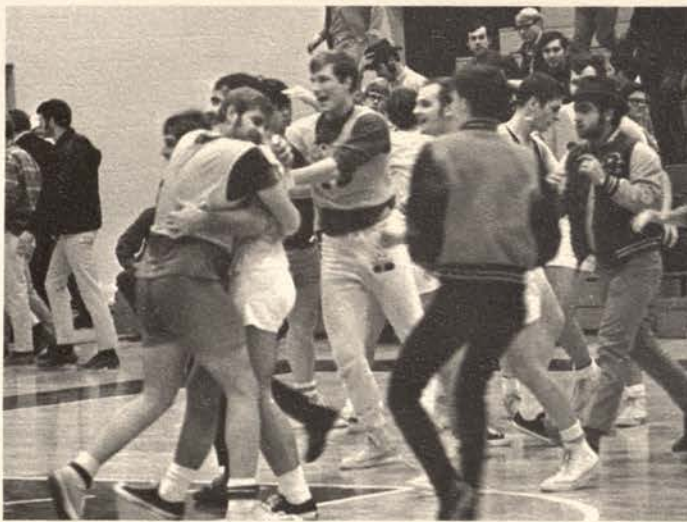
The intense concentration in an Indian game is broken only when a player is concentrating so intensely that he misses his sign or answers a wrong one.







Taking time out from decorating the club during the Christmas season, these Tech clubbers decide to partake of some yuletide spirits.



Tech Club's basketball players break into wild enthusiasm after having defeated the defending champion, Fifty-Niners, by just a few points.



In an effort to save money, members of Tech Club organized their own wrecking team and almost completely razed the old building in a couple of hours.

TECH CLUB—ROW 1: Morris, C., Mueller, R., Gucciardo, T., Rommeimann, D., Vernon, G., Schaeffer, M., President: Shepherd, C., Vice-President: Passantino, J., DeSpain, D., Hervey, D., Reel, T., ROW 2: Muehlbauer, R., Vidinha, L., Mahcandt, N., Rachow, B., Williams, B., Koenemann, B., Leone, J., Richards, G., Akers, F., Bible, P., Hese-

man, C., ROW 3: Butherus, T., Hahn, J., Florence, K., Greco, M., Bender, J., Ford, R., Kubiak, S., Schoenecker, J., Padgett, S., Logston, M., Tibbits, D., McDowell, L., Elven, D., ROW 4: Knowles, J., Corey, R., Hill, J., Kling, R., Virgin, B., Schmidt, B., Suellentrop, J., Corey, M., Bailey, H., Lill, D., Wilson, C., Harris, G., Blalock, R., Hyde, J.

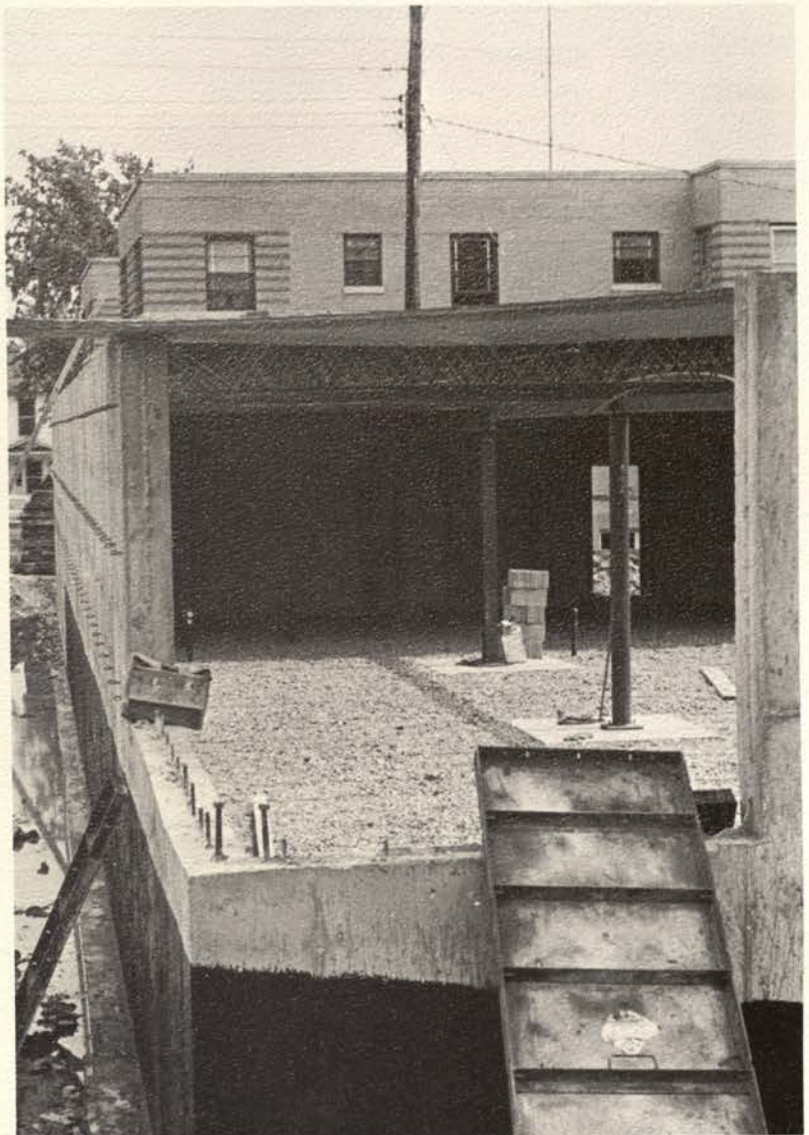




## Tech Club facilities are planned for fall

The past year has been one of activity and change for Tech Club. Tech Club continued to be one of the more active organizations on campus, as evidenced by its profound influence in G.D.I. and the Student Council. Highlighting Tech Club's functions were the capturing of the intramural basketball championship and the initiation of its building project. Having suffered a delay in their building plans last year, Tech Club now has a modern \$80,000 eating club, with rooms above the club under construction to be ready at the start of the 1970-71 school year. It will be a rebuilding year for Tech Club as it continues to serve its members and take an active part in the activities of the university. Tech Club offers its members opportunity, good food, and good feeling.

The two members of the pole-wrecking team demonstrate the proper use of the fence post when trying to bring down the corner section.



Construction has already started on the new Tech Club and the building will be ready for use when the members return to their books in the fall.

Tech Club's championship basketball team proudly displays the trophy that represents long hours of practice and hard work.

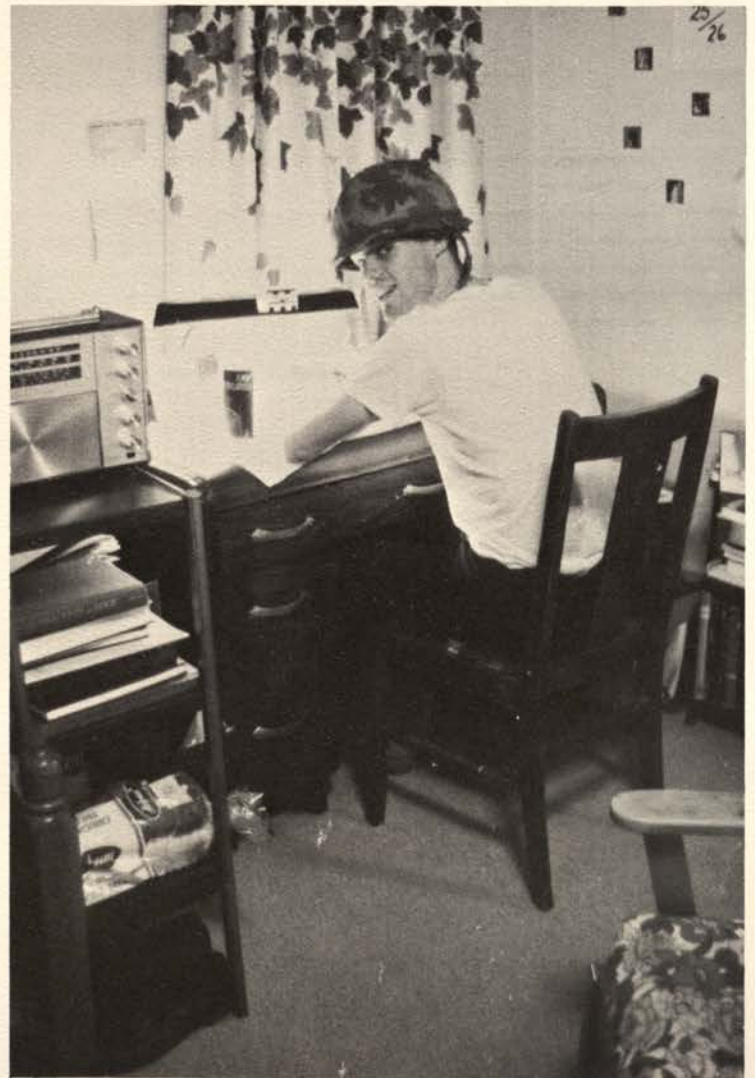
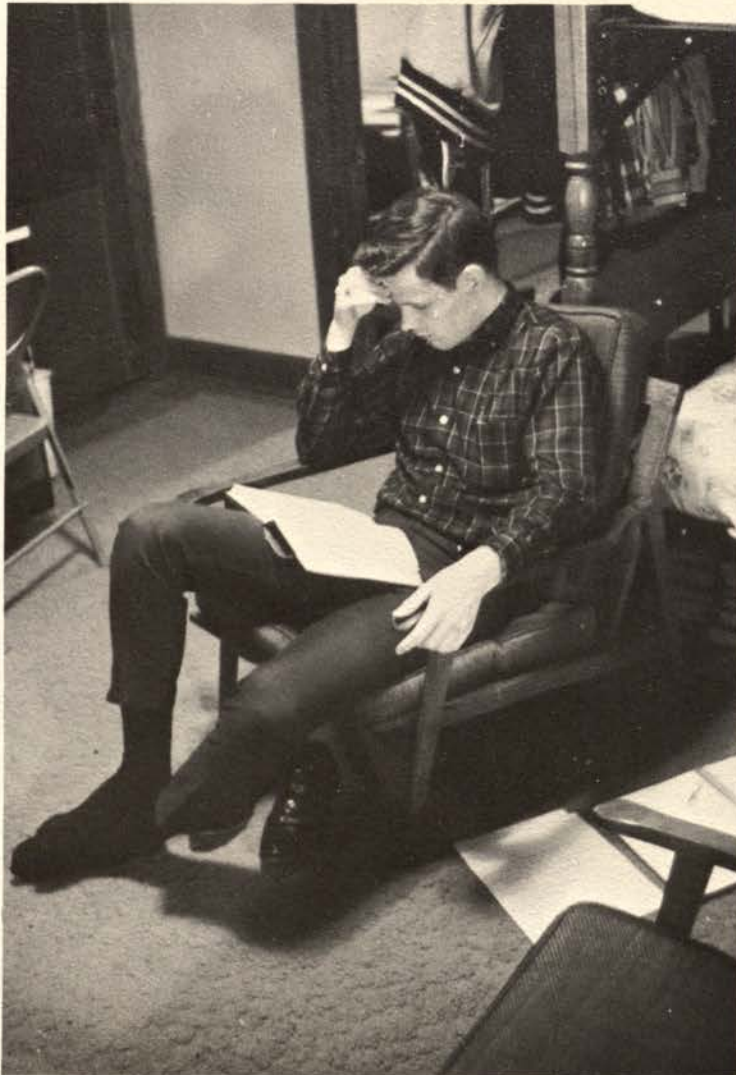






Many students like to live in privately-owned houses in the residential areas of the city, where they can escape from the routine of university life.

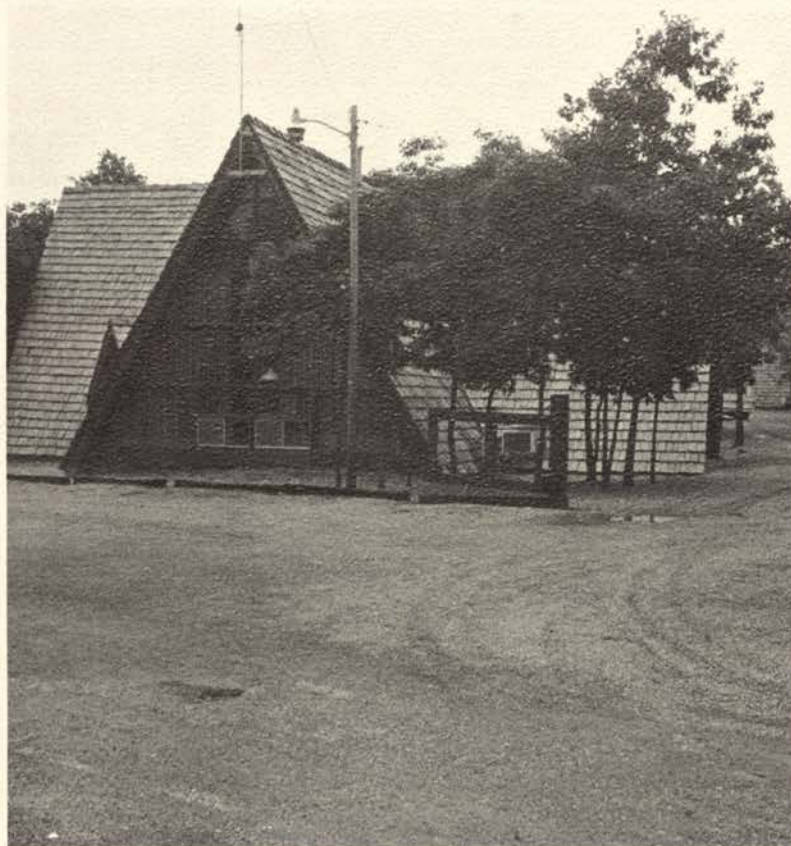
Most of the off-campus rooms are furnished with comfortable chairs like the one Ross Cameron occupies, which make studying more relaxing.



To avoid being bothered while he studies, Paul Busby wears his camouflage so intruders won't see him when they enter his room and decide he's gone.

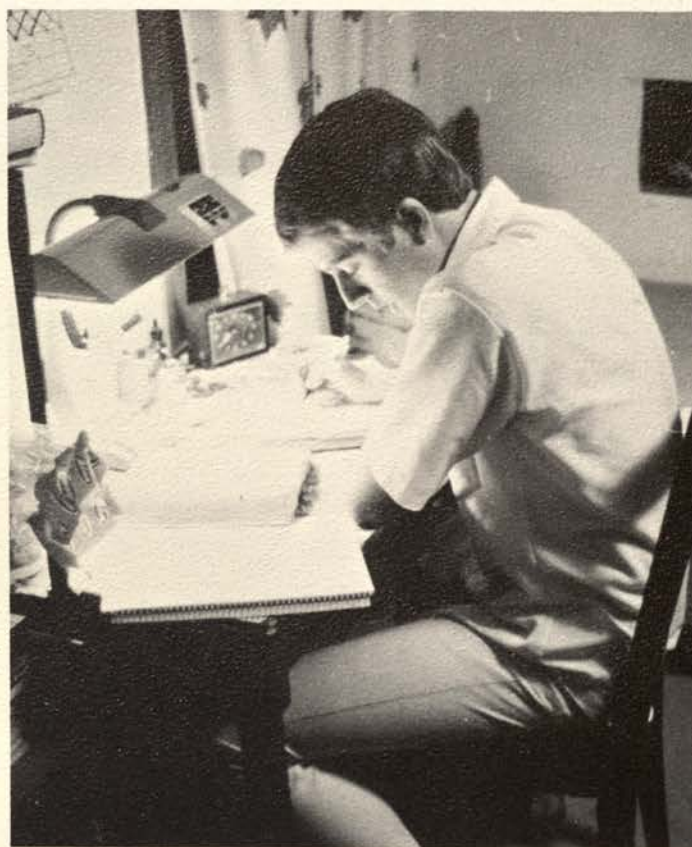


# Off campus housing offers a variety of accommodations



Nagogami Village, better known as the A-Frames, is a popular off-campus living spot, offering the residents a modern apartment with all the comforts of home.

With a difficult physics test awaiting him, Tom Fleschner must give up his Friday night so that he will know a joule from a coulomb.

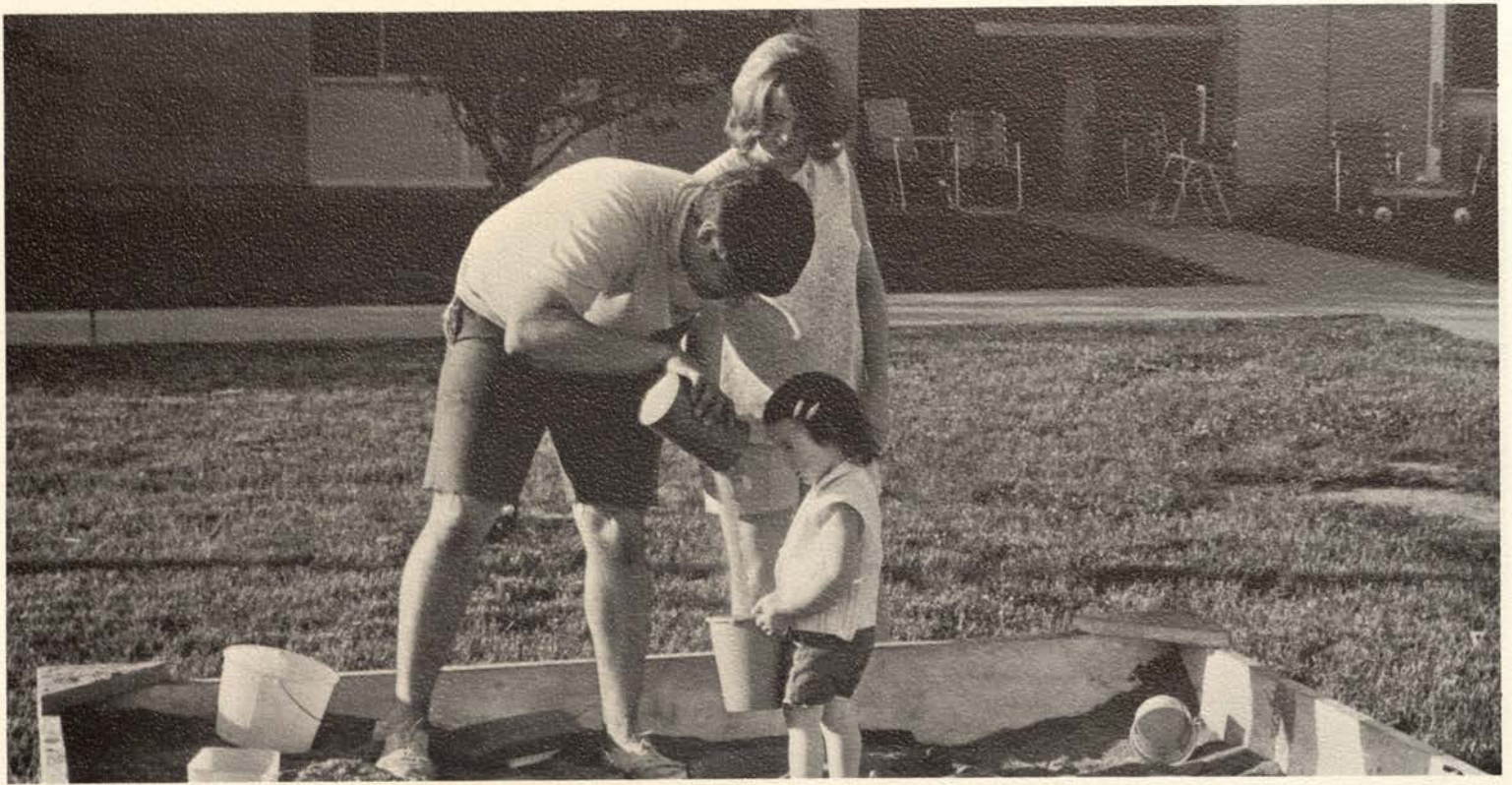


Nestled in a valley below Whitson's Trailer Park, Plaza Trailer Park provides a rustic setting where students can park their trailers.

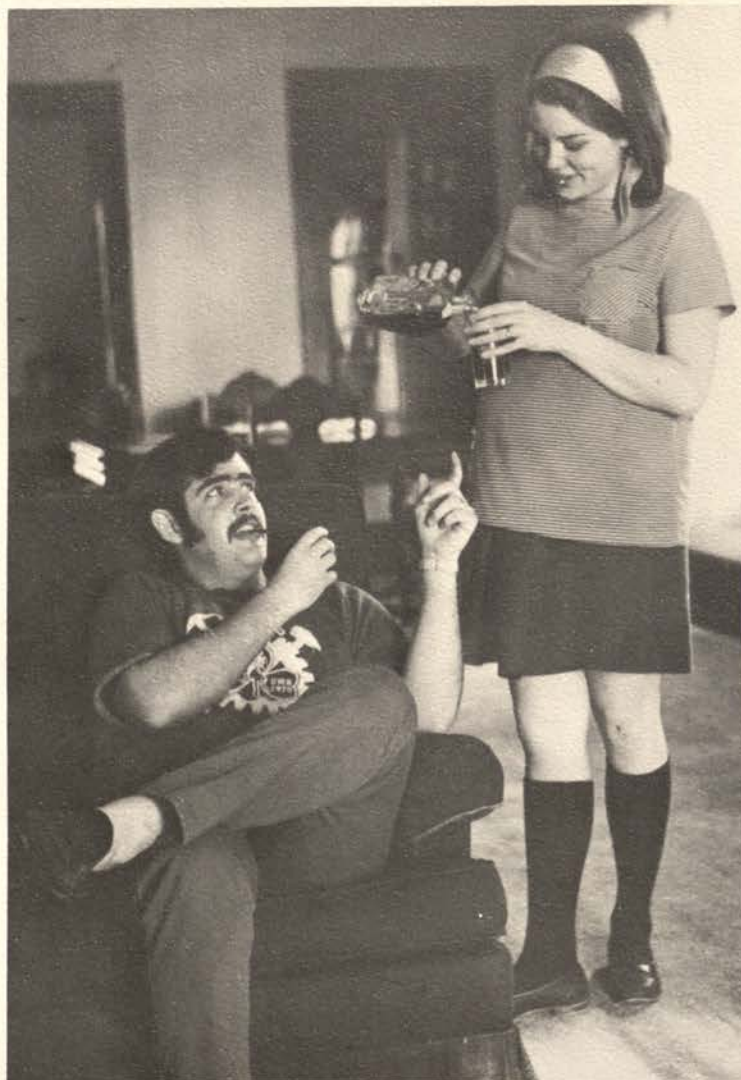


A variety of off-campus housing is available to both married and single students with varying prices, depending on the location and quality.





With the coming of warm weather, Gary Potter finds that the Civil courses he took come in handy as he helps his daughter in the sandbox.



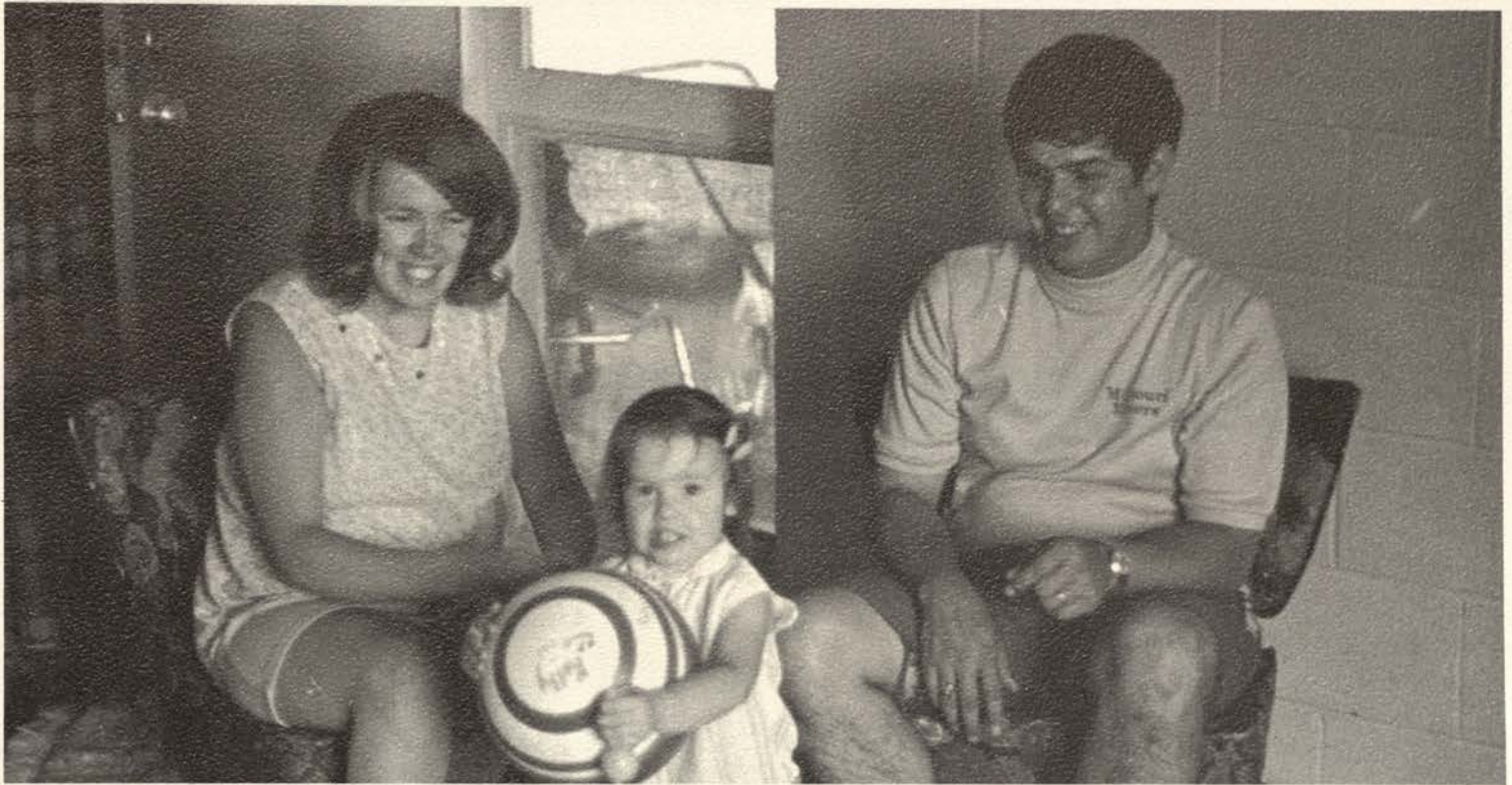
Linda Hazelwood pours her husband, Greg, a little bit of liquid to help calm him down before dinner after a trying day of classes and meetings.

Linda casts a watchful eye on Greg as he attempts to show her the skills he has acquired through years of hard work at plugging and cranking.





## Married students enjoy a full family life



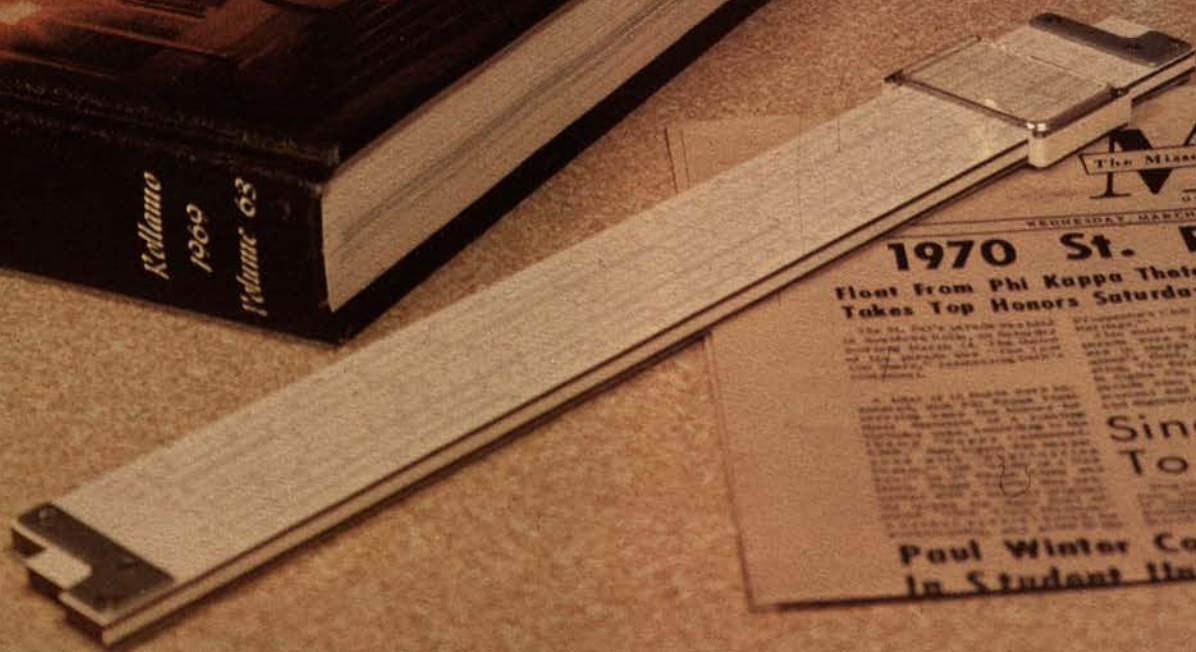
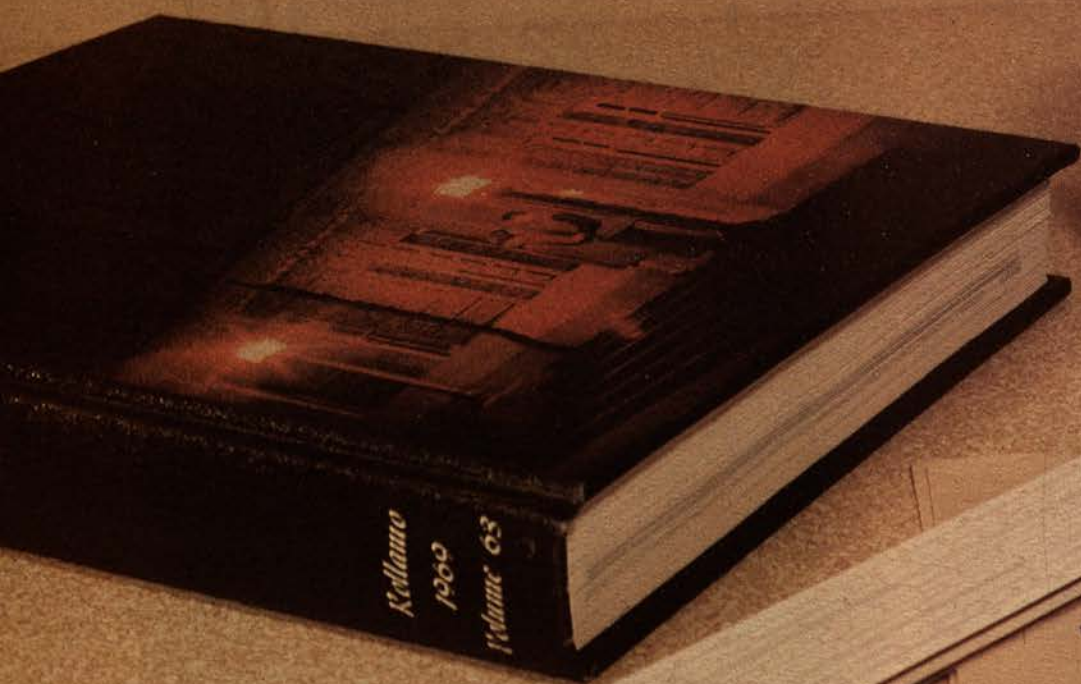
Gary and his wife and daughter take time out from the sandbox to relax in their modern air-conditioned apartment in Nagogami Terrace.

After a delicious meal, Greg tries to make some progress in an Electrical Engineering course, while Linda tempts him with the current Playboy.



Parents' Day on the volleyball court serves two purposes in that it gives the older generation some needed exercise and amuses the youngsters.





**THE MINER**  
UNIVERSITY OF MISSOURI  
WEDNESDAY, MARCH 18, 1970

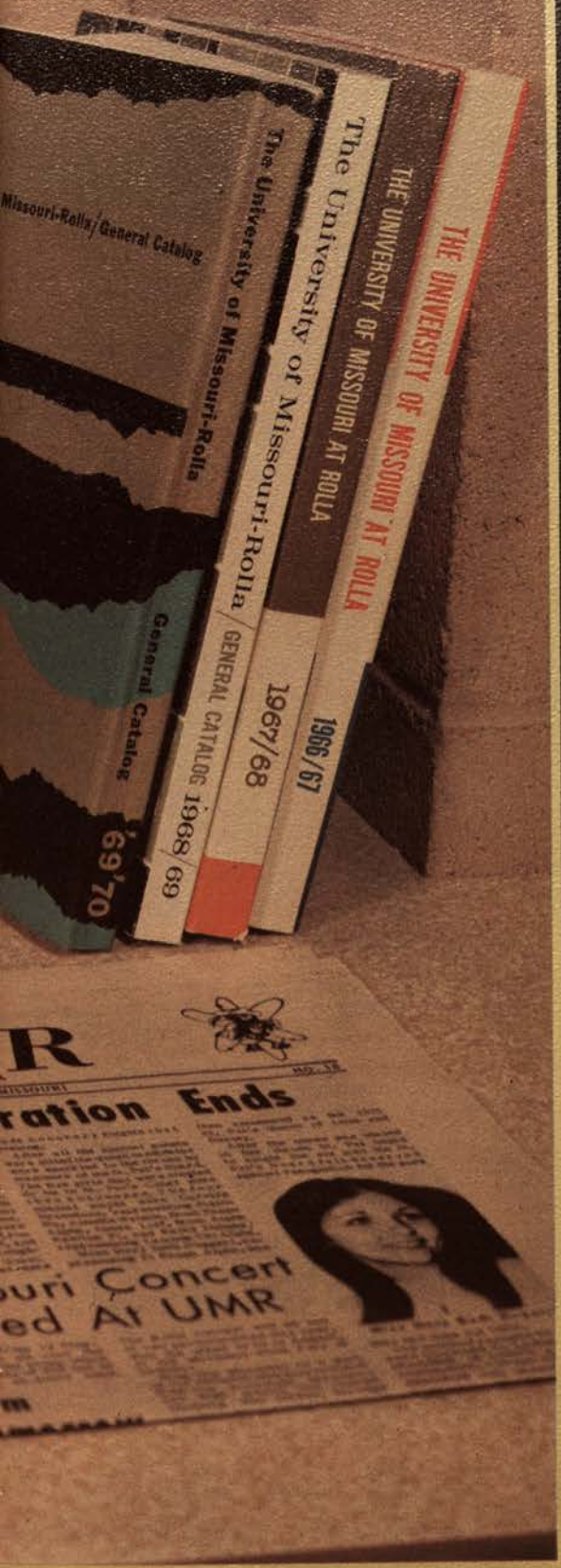
**1970 St. Pat's Celebrates**  
**Float From Phi Kappa Theta**  
**Takes Top Honors Saturday**

The St. Pat's parade float, which was the first to be seen in the parade, was a float from Phi Kappa Theta. The float was a large, ornate structure with a central figure of a man in a suit and a large banner that read "Phi Kappa Theta". The float was carried by a group of students and faculty members who were dressed in formal attire. The float was the first to be seen in the parade and it was the most popular of the floats. It was the only float that was not a float from a fraternity or a sorority. It was a float from a student organization. The float was a large, ornate structure with a central figure of a man in a suit and a large banner that read "Phi Kappa Theta". The float was carried by a group of students and faculty members who were dressed in formal attire. The float was the first to be seen in the parade and it was the most popular of the floats. It was the only float that was not a float from a fraternity or a sorority. It was a float from a student organization.

**Sing Out Miss To Be Present**

**Paul Winter Consort To Perform**  
**In Student Union Ballroom**





# Seniors

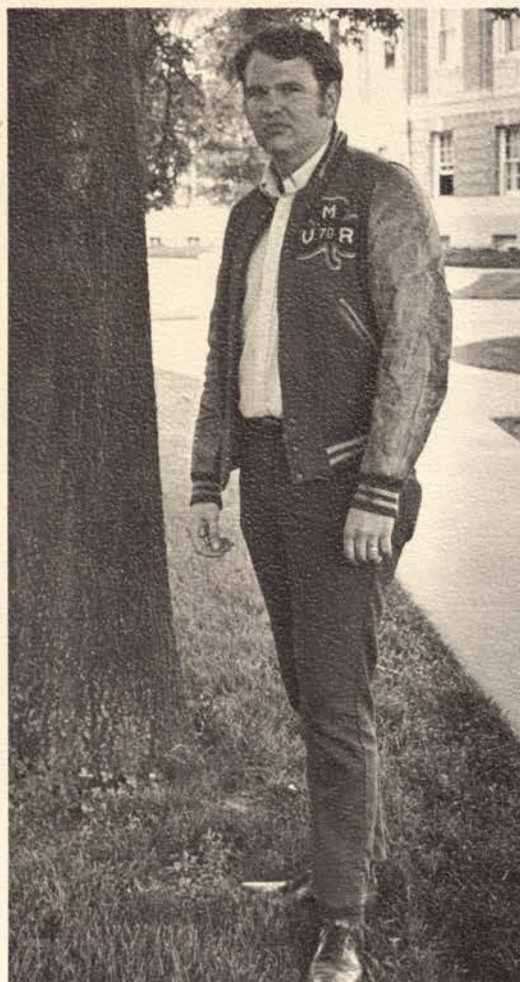




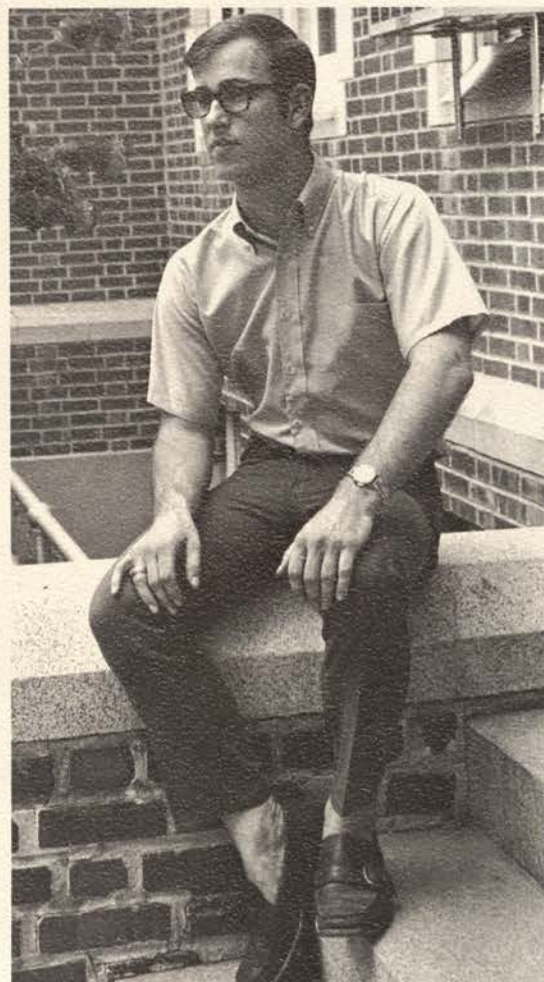
## Eleven seniors selected to Who's Who



Leon H. Schellman

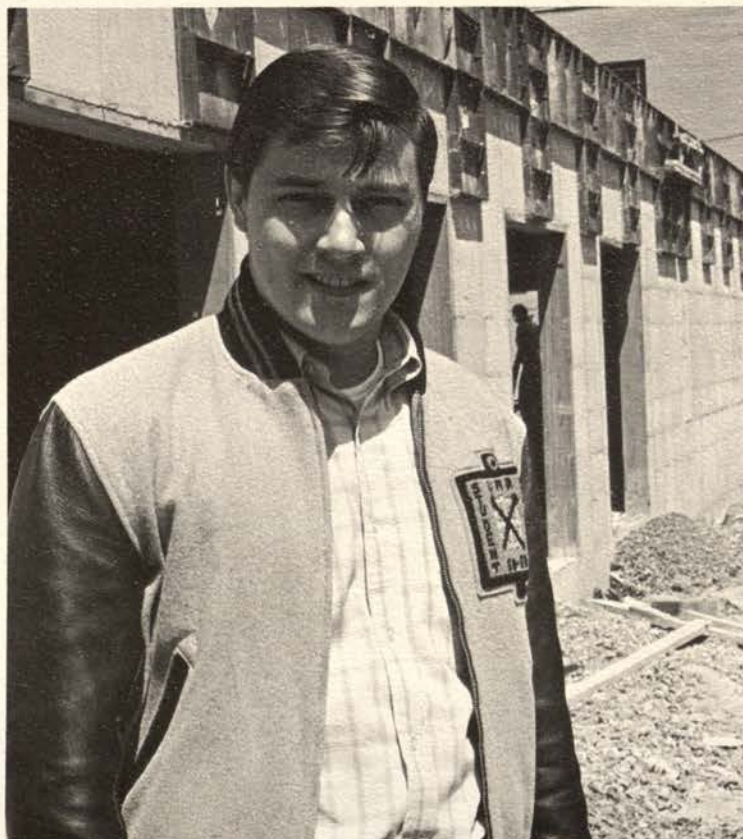


Eric D. Dunning



Frederick J. Hohenberger

Michael J. Schaeffer

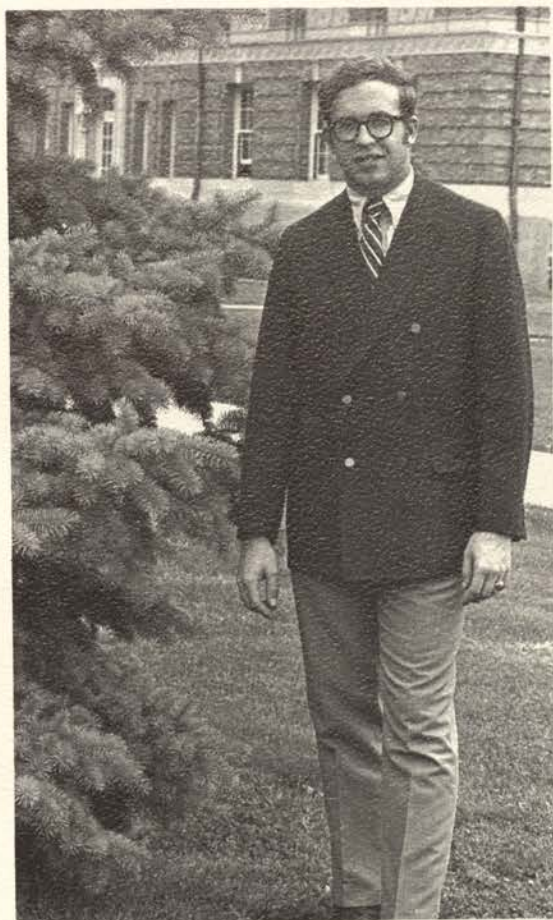


John G. Leone





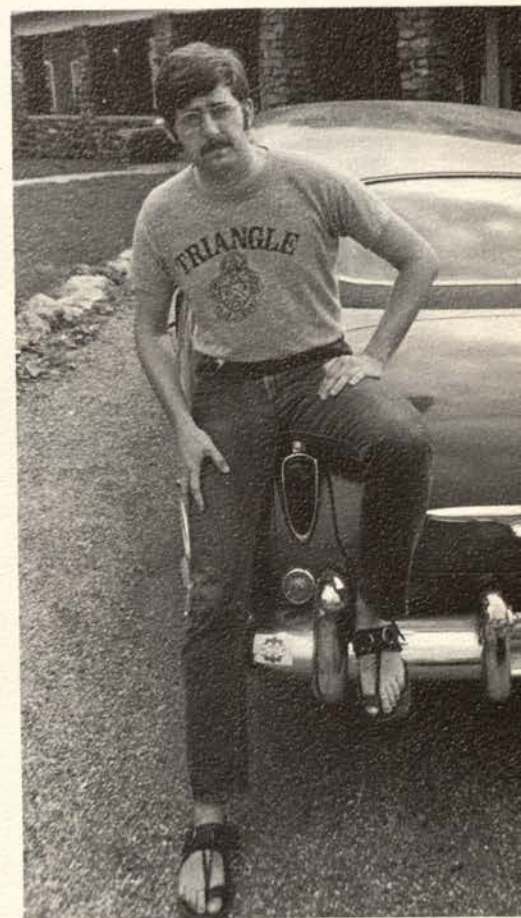
# in American Colleges and Universities



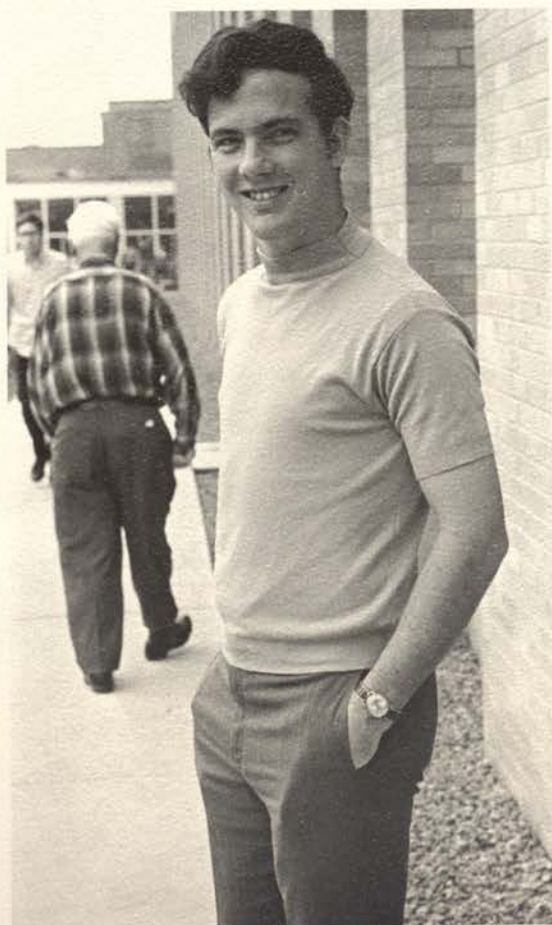
Terrance R. Ward



John E. Lambert



John M. Harris



Martin G. Bowin



Randall R. Richards



Kent M. Kopf



# Engineering seniors probe the



F. S. Abel  
R. T. Albrecht  
G. S. Allen  
R. R. Anderson

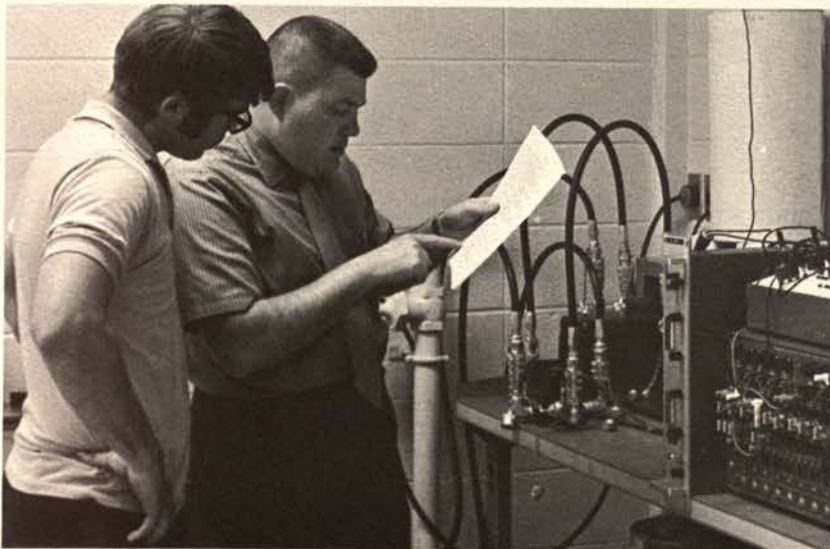
W. E. Abernathie  
D. W. Aldridge  
R. E. Allen  
V. M. Andreae

L. A. Addington  
H. R. Alexander  
M. R. Allison  
K. W. Andrews

R. B. Adler  
W. S. Alexander  
D. R. Alm  
M. R. Angelich

M. R. Aimerito  
W. D. Alexander  
D. D. Amos  
J. F. Archer

T. J. Albers  
D. L. Allen  
B. Anderson  
R. R. Arnold



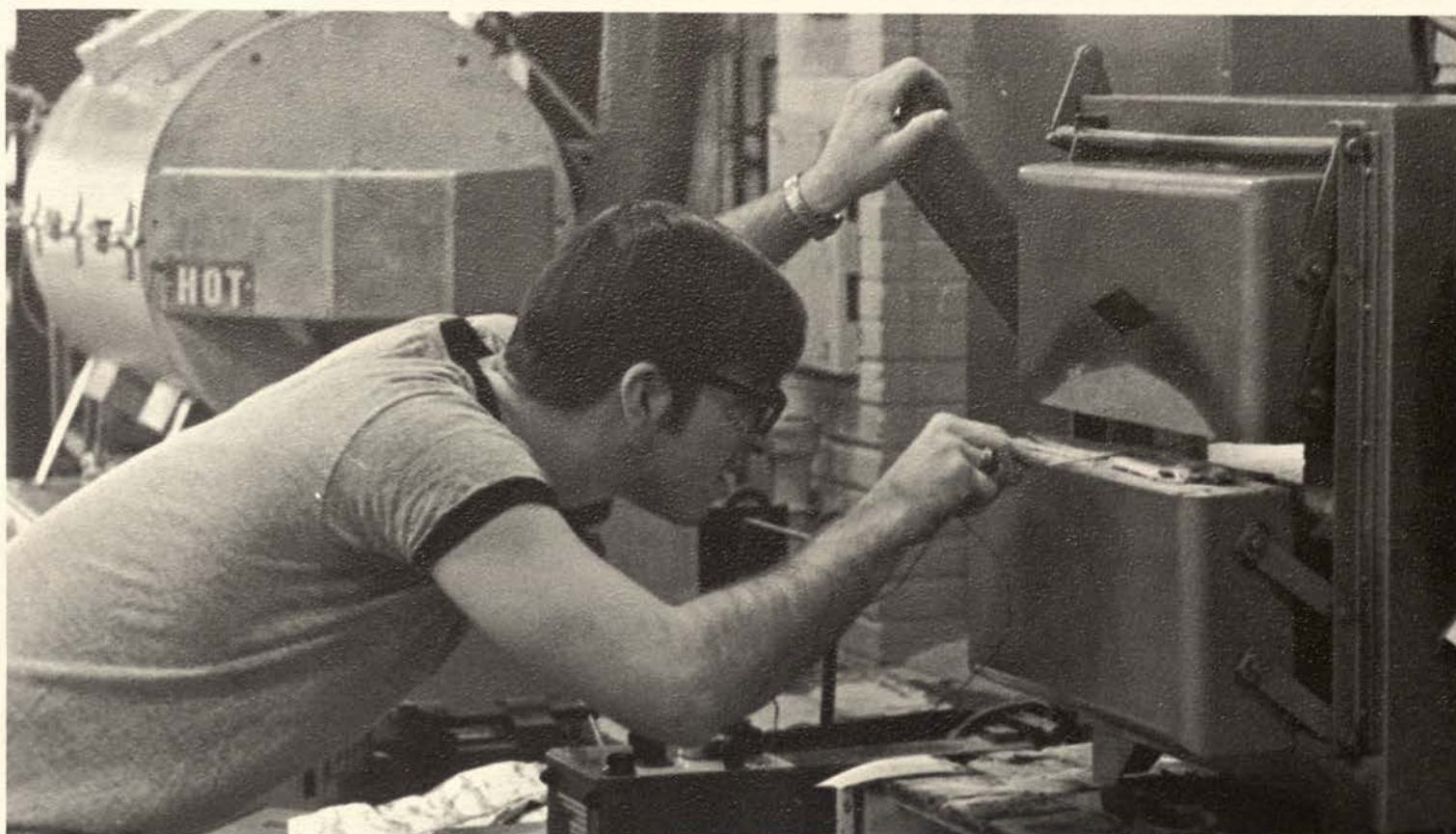
Even educated seniors encounter questions that must be explained to them in such a manner that they will be able to solve future problems capably.



One of the many problems of the nuclear engineer is determining which button to press first on the reactor control panel.



# unknown in search of graduation



Senior metallurgist, the magnanimous Fred Hohenberger, meticulously masterminds a magnificent mold as he manages to measure the magnitude of the metal.



K. L. Ashby  
L. H. Ayars  
W. A. Baker

E. D. Aschinger  
C. A. Bachmann  
J. C. Bakula

R. L. Astolfi  
G. D. Bachmann  
T. S. Balaban

M. E. Atteberry  
C. S. Bahor  
D. C. Baldwin

H. J. Auman  
J. L. Baird  
D. B. Baldwin

K. K. Austin  
E. C. Baker  
D. Ballantyne



# The football team rises to new heights



R. E. Barker  
G. N. Batchelor

R. D. Barnes  
C. H. Bauder

J. W. Barnett  
B. W. Baumann



R. L. Barnett  
D. J. Beach  
J. L. Bechtel  
J. M. Beirne  
D. A. Berger  
P. J. Bhatt

E. W. Bartley  
D. D. Beardsley  
R. T. Becker  
G. M. Belingloph  
R. D. Best  
G. D. Biggerstaff

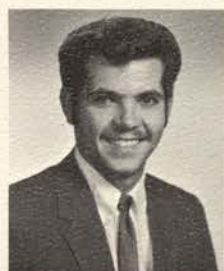
D. L. Basler  
O. W. Beasley  
G. N. Beckerdite  
F. Benavides  
J. R. Beyer  
D. G. Bigley



Senior quarterback Jack Grawe "drops the bomb" from deep in the pocket in the Miners 24 to 0 victory over Central Missouri State College.



## under the leadership of senior lettermen



D. G. Birk  
J. R. Bocek

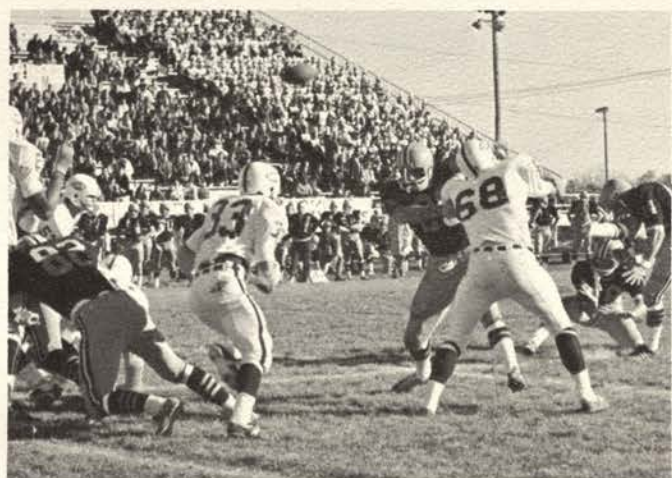
W. R. Bishop  
G. L. Boettcher

P. D. Black  
T. P. Booth

K. D. Blankenship  
S. L. Bopp

M. E. Blankenship  
J. D. Borgmeyer

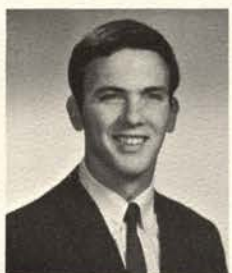
R. R. Blevins  
T. J. Boschert



Four-year letterman Larry Oliver often delighted many of the fans with his long and accurate soccer-style kicking.



Joel Stroud, outstanding senior linebacker, teaches a Kirksville halfback not to mess with a member of "the Golden Horde" in the game against the Bulldogs.



M. G. Bowin  
L. B. Brannum

A. D. Boyd  
K. W. Bray

D. D. Bracher  
M. E. Bray

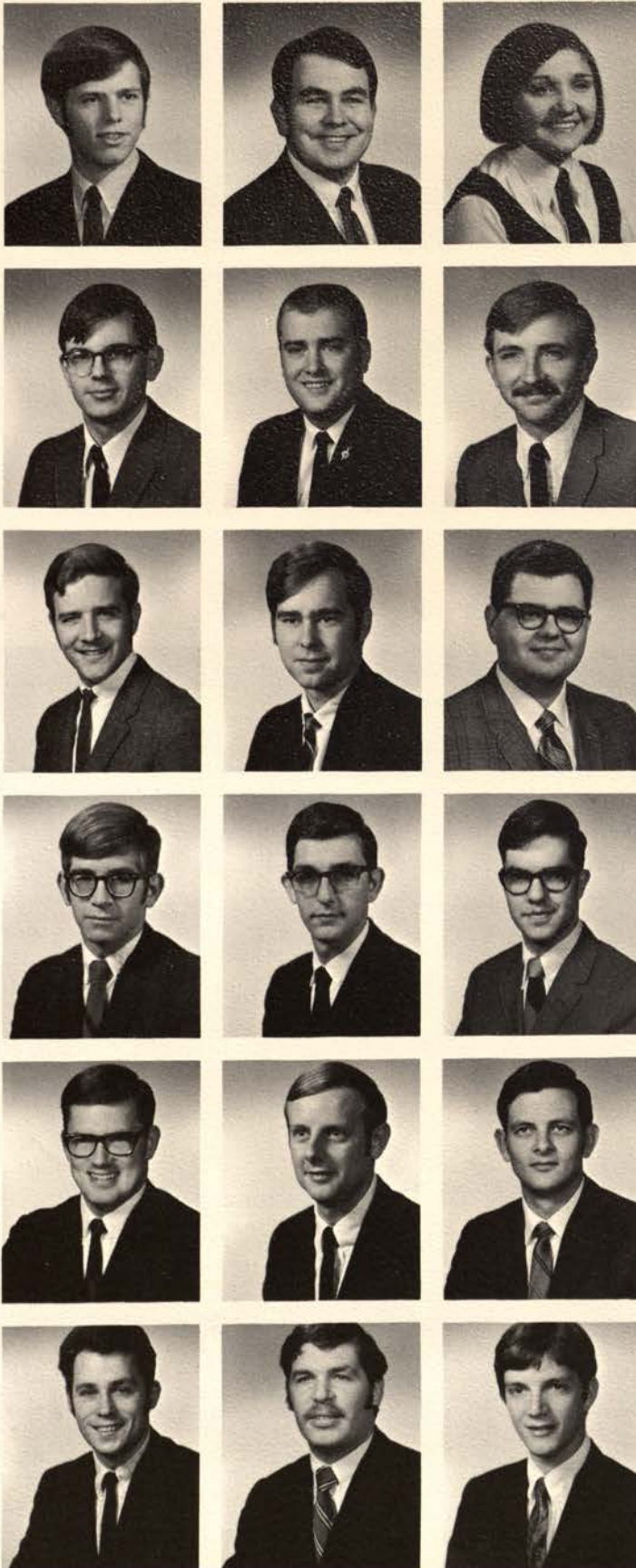
B. J. Brandt  
K. Bredenkamp

J. E. Branham  
J. D. Breeden

G. D. Brannon  
R. L. Breitenbach



# Seniors attend classes despite all types



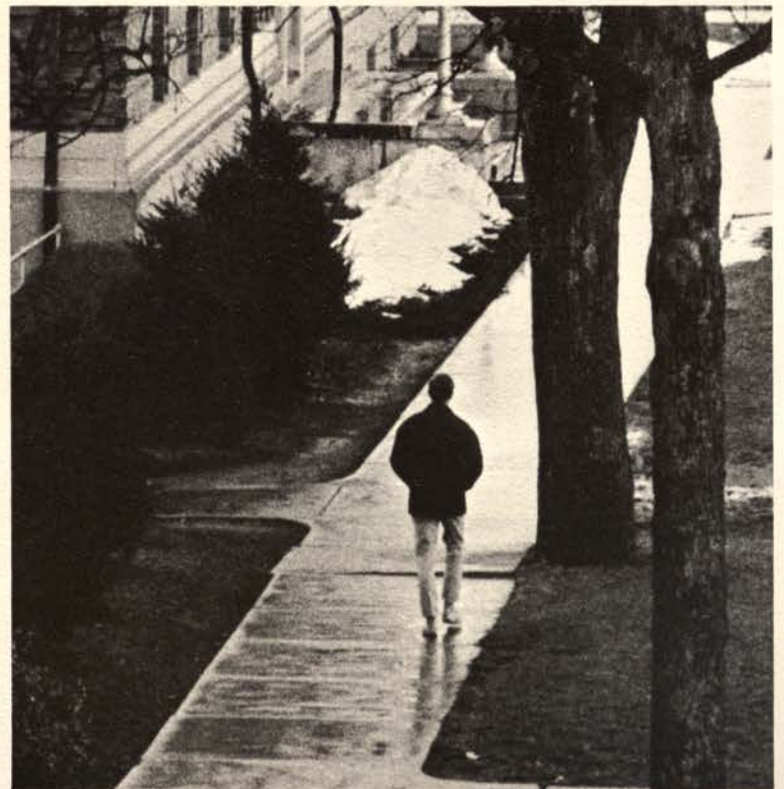
M. J. Brinker  
R. L. Brown  
R. L. Brown  
K. H. Browne  
R. O. Bryant  
E. D. Burk

W. H. Bromley  
R. A. Brown  
R. D. Brown  
W. A. Brslik  
M. L. Buck  
B. J. Burke

B. L. Bronson  
R. G. Brown  
W. L. Brown  
D. A. Bryant  
R. G. Bullinger  
G. M. Burks



Walking in the rain along the familiar path from the library to the Student Union can bring back many memories to the graduating senior.



The typical winter day in Rolla finds UMR students walking to their classes in the mixture of both rain and snow that landscapes the campus.



# of weather in an effort to gain their degrees



M. H. Burns  
C. E. Byers  
R. A. Campen

R. L. Burns  
R. F. Bytnar  
D. G. Canfield

D. N. Burzen  
R. J. Caldwell  
R. M. Canon

J. R. Butler  
K. S. Calfee  
T. M. Cantello

D. A. Butterfield  
L. B. Calton  
S. C. Carey

E. C. Bybee  
T. P. Campanelli  
D. E. Carpenter



As springtime approaches, seniors shed their jackets and roll up their sleeves in an effort to absorb a few rays of golden sunshine.



# Seniors put their musical talents



H. L. Carter  
D. L. Chasten  
R. C. Christanell

J. B. Carter  
S. K. Chaudhary  
E. R. Christman

A. M. Cartwright  
M. R. Check  
G. F. Cima



R. L. Carroll  
J. D. Case  
H. E. Chenoweth  
L. G. Clark  
J. L. Click  
G. M. Cole

M. K. Carron  
C. L. Casteel  
R. E. Choun  
R. R. Clemmons  
T. Clinkingbeard  
J. D. Combs

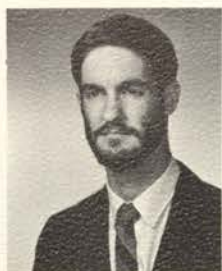
H. E. Carter  
R. G. Chapman  
J. G. Chrisman  
R. D. Clemons  
M. D. Coats  
M. C. Conrad



UMR's answer to Boots Randolph, senior Gene Dawson, performs with the pep band at one of the many home basketball games.



to good use at pep band activities



R. L. Conroy



S. J. Constance



F. S. Cook



D. O. Copeland



T. P. Corbett



D. L. Cordes



Under the direction of Stan Kissler and Gene Dawson, the pep band won the contest for the best non-float entry for the St. Pat's Parade.



R. W. Costello  
E. H. Crahan



J. R. Cotter  
M. H. Craig



J. C. Coulter  
D. L. Crain



D. G. Couture  
G. R. Crandell



R. D. Cox  
G. R. Crane

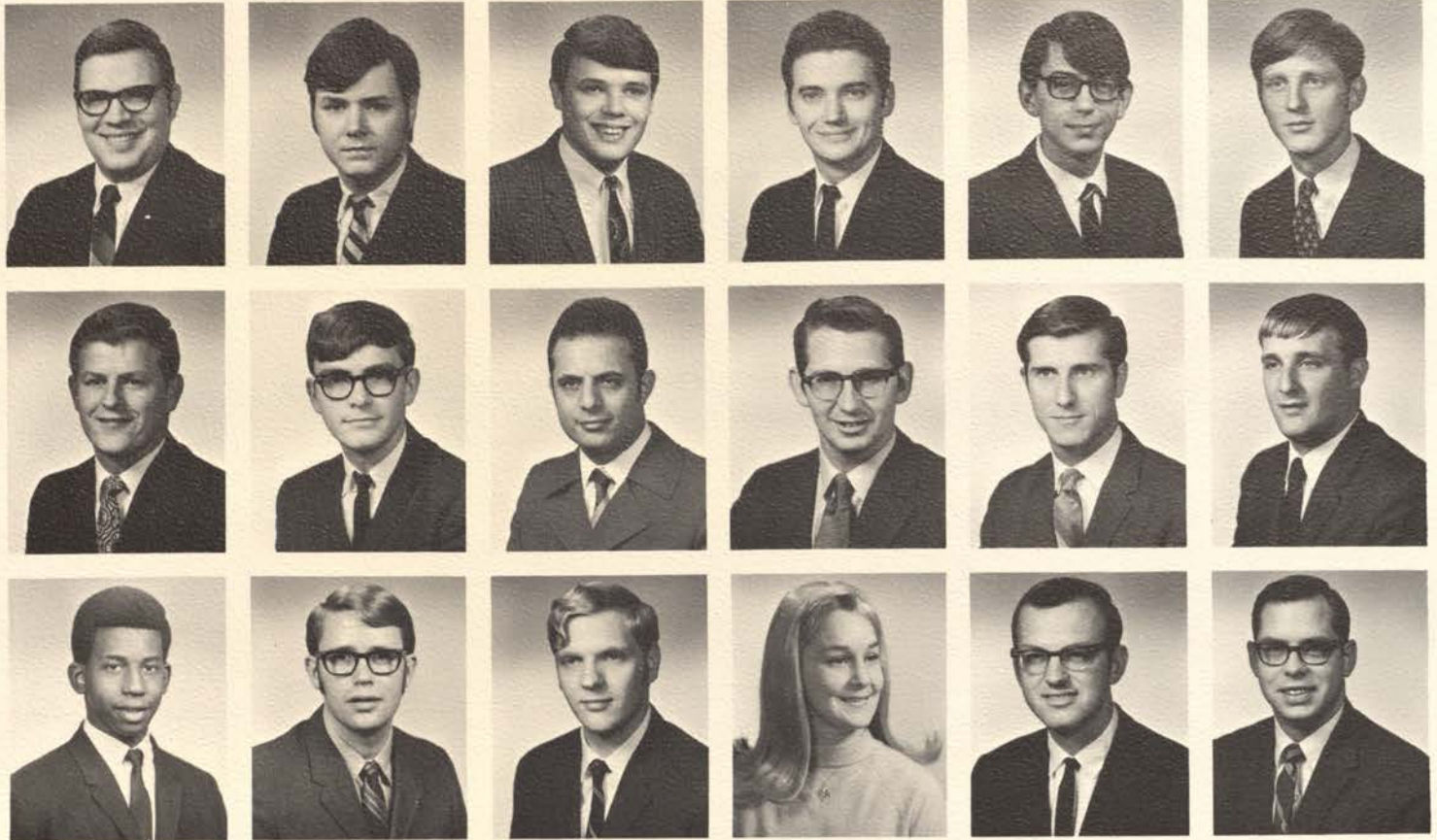


F. N. Crabtree  
J. W. Crangle





# Relaxing from a hard day of



R. M. Cranmer  
J. L. Dame  
R. L. Davis

M. P. Crippes  
D. H. Dammerman  
R. D. Davis

D. A. Crissup  
F. A. Darabi  
D. C. Davisson

S. D. Curtis  
R. J. Darr  
J. L. Day

R. K. Dace  
K. T. Davidson  
L. J. Dean

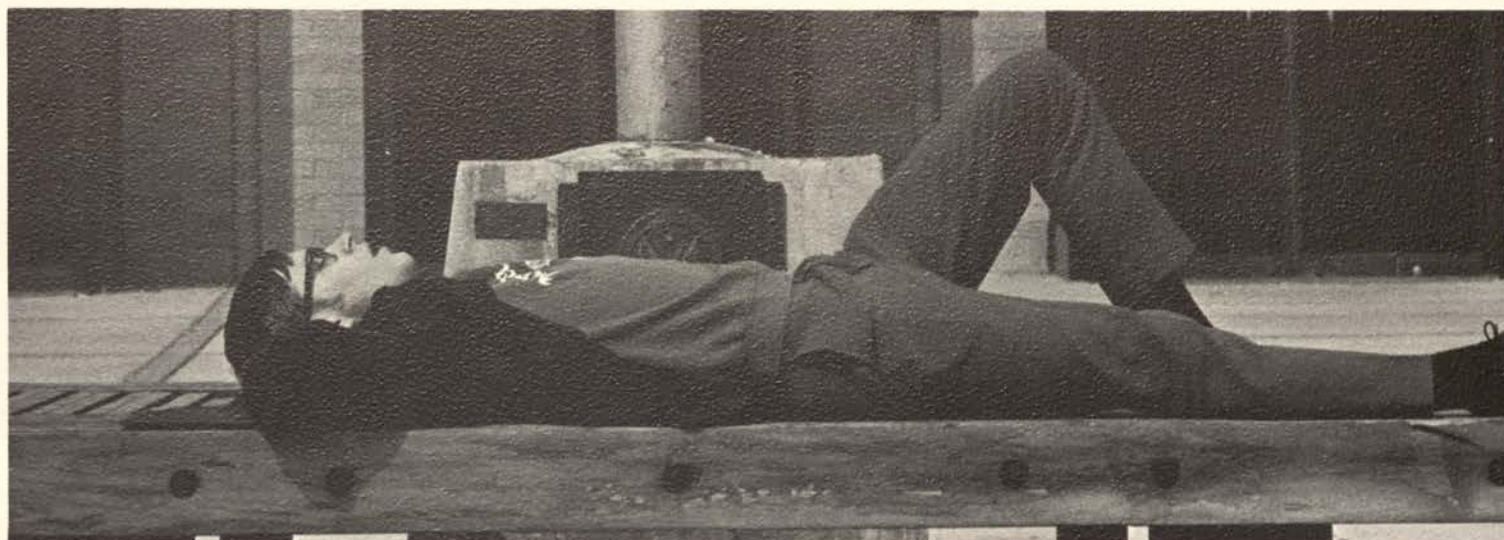
D. W. Dahistrom  
P. G. Davidson  
G. D. Degen



A short break in afternoon classes often brings about an enjoyable hand of pinochle in the friendly confines of the Student Union.



# studying is essential to all seniors



Resting on the benches in front of the library is one way of easing the many frustrations that occur during the typical day of a graduating senior.



R. W. De Lange  
H. C. Dippel  
R. F. Dorroh  
C. G. Duffner

R. G. De Lay  
D. W. Ditch  
L. H. Dreinhoefer  
D. C. Dugan

I. Denlow  
G. L. Dixon  
L. W. Duchek  
M. J. Dugan

R. A. Dennis  
C. E. Dockery  
S. J. Duckworth  
P. M. Dulatt

K. W. Deter  
F. J. Doering  
B. E. Dudzik  
K. J. Duncan

R. G. Dietrich  
W. F. Doerr  
M. P. Duff  
P. A. Dunkailo



# Senior leaders play an active roll in



E. D. Dunning  
T. E. Eaton  
S. H. Eiler  
J. D. Erwin

S. Dunnvatanachit  
D. L. Edwards  
C. A. Eisterhold  
M. M. Ethridge

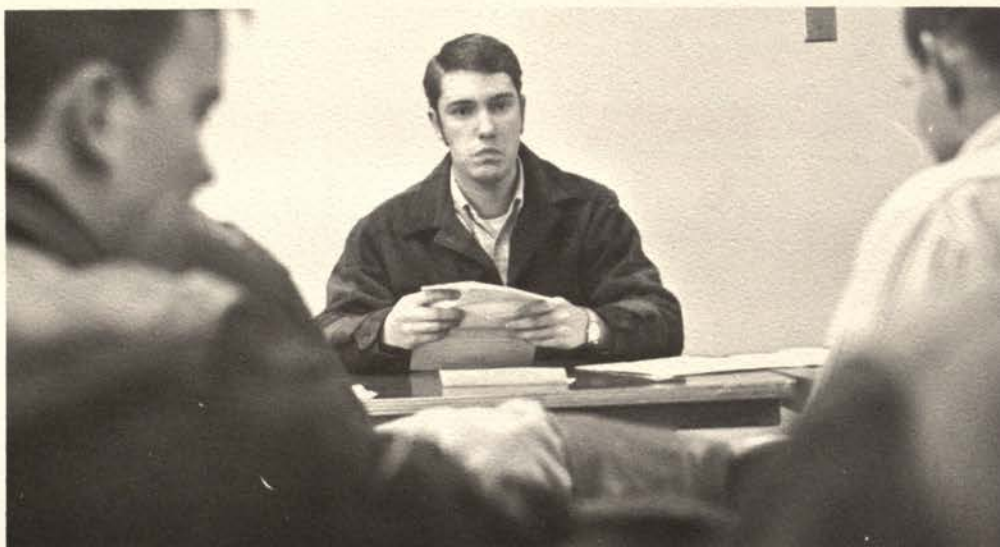
B. J. Duresky  
R. T. Edwards  
M. A. Elfrink  
R. D. Etzenhouser

T. E. Durham  
W. D. Edwards  
D. D. Enke  
J. J. Evans



V. H. Durham  
A. P. Ethim  
R. J. Eoff  
J. W. Evans  
D. A. Eyler  
M. L. Farley

D. F. Eatherton  
B. K. Ehlmann  
R. W. Erlbacher  
R. F. Eyerkuess  
B. F. Fahey  
J. A. Feager



The office of president in the Blue Key National Honor Fraternity was held by Keith Wedge, one of UMR's outstanding seniors and a finalist for the Interfraternity Man of the Year award.



# the development of campus organizations



J. A. Feurer

E. H. Fields

D. L. Filger

C. R. Findley



President of the Interfraternity Council, Carm Moehe, receives his plaque for outstanding service to the IFC from John Harris, who portrayed the ancient god Zeus, during the Greek Week Games.



B. E. Fennedy  
J. D. Finnegan  
T. B. Fisher  
R. J. Fitzgerald  
R. M. Flick  
D. H. Flowers

G. E. Fenton  
R. K. Fischer  
J. Fitzgerald  
R. A. Fletcher  
K. T. Florence  
R. M. Fluegge



Presenting Fred Conway's painting that depicts the first 100 years of UMR history to Student Union representative Randy Richards, is Max Schellman, editor-in-chief of the Rollamo.



# Intramural football brings out



J. L. Forbeck  
K. L. Freese  
J. L. Fullbright  
J. T. Garrett

J. L. Fox  
M. M. Friese  
J. L. Furry  
E. J. Garrison

R. L. Fox  
R. L. Frimel  
S. W. Gaddy  
C. B. Gaston

D. J. Frankenfield  
T. G. Frisbee  
E. L. Gamache  
R. C. Gaus



D. R. Fogle  
D. Frankforter  
J. B. Frost  
S. M. Gardner  
J. R. Geers  
G. W. Gerlitz

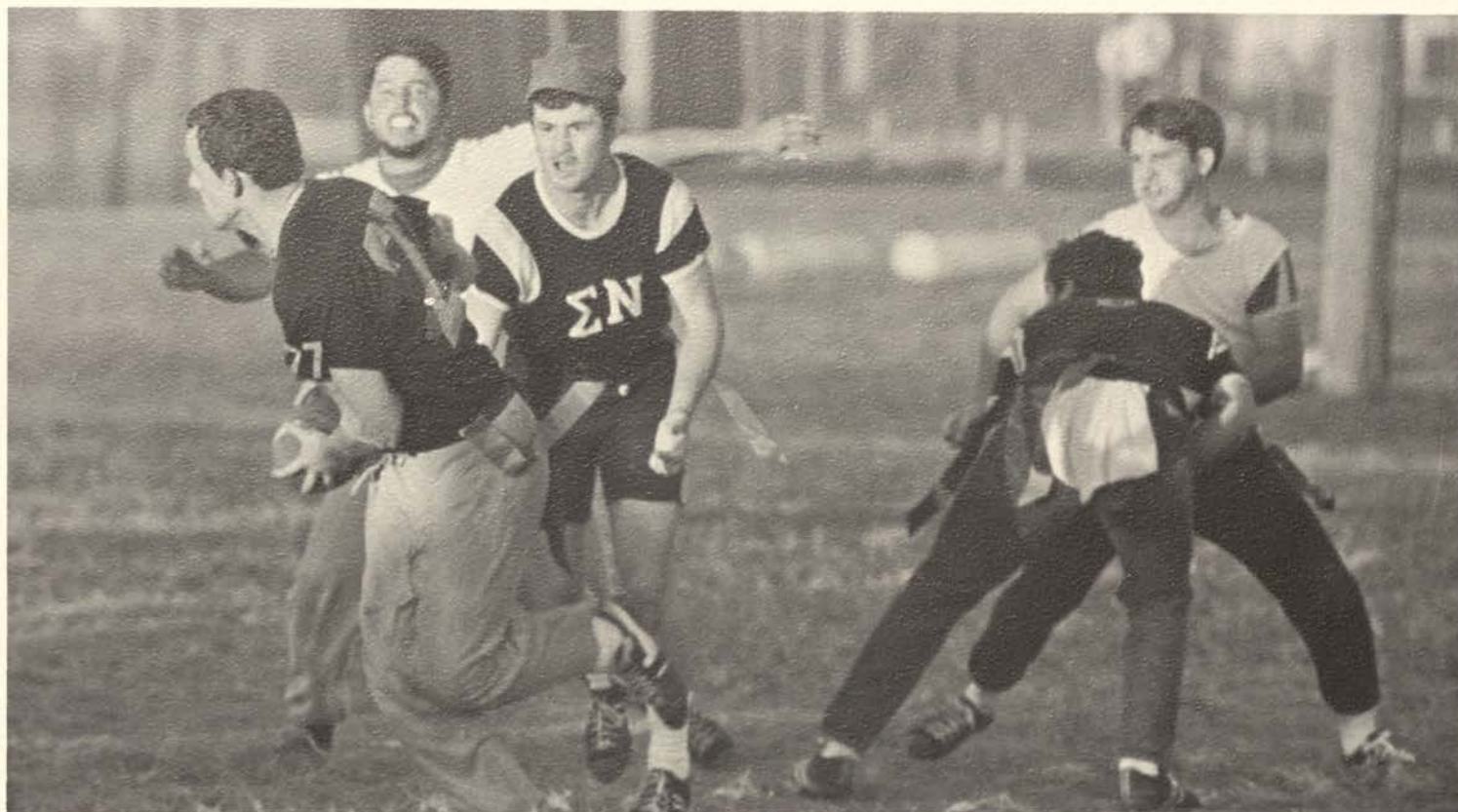
R. W. Foster  
D. M. Frederick  
T. R. Fry  
D. L. Garnett  
R. G. Gerdes  
R. K. Gibson



A good quarterback knows the right time for that certain play which is evident here as Dave Krueger begins to move through the line on a successful quarterback draw.



# the best in senior athletic prowess



Senior athletic standout John Hughes of Sigma Nu Fraternity, takes a handoff from his quarterback and heads for an opening in the middle of the line.



K. D. Gielow  
M. G. Glynn  
E. E. Green

M. L. Gill  
J. R. Goessling  
R. M. Green

J. W. Gilstrap  
R. Goste  
F. L. Griffin

M. P. Gioia  
E. F. Gottschalk  
R. D. Griffin

L. L. Glick  
J. D. Grawe  
J. E. Grimm

J. K. Glover  
A. J. Green  
D. G. Groves



## Seniors vary activities



M. L. Gum  
M. R. Hahn

W. H. Gunn  
J. L. Hailey

B. M. Gutzler  
G. F. Hall

R. L. Habegger  
K. K. Hammann

P. B. Haeffe  
M. Hammoud

J. K. Hahn  
P. G. Hamner



Taking a break from the arduous chore of pre-registration, Jim Michel appears a little perplexed with his schedule of classes for the semester.



During one of UMR's famed party weekends, this hearty group of Blue Key members clown it up for a Rollamo photographer.



R. C. Hampel  
J. P. Harmon

S. H. Hancock  
T. E. Harms

D. R. Hankins  
R. L. Hart

D. R. Hardwick  
S. R. Hartmann

J. R. Hardwick  
L. E. Hartwig

G. D. Hardy  
M. D. Harris



during their final semesters



W. N. Harris  
D. G. Hayman

D. E. Hasselfeld  
J. D. Hays

T. Hatayodom  
Q. E. Hedley



M. R. Havens  
R. E. Heien  
K. M. Heithaus  
R. L. Henry  
S. J. Herman  
R. T. Heydt

P. G. Havens  
M. M. Heimsoth  
G. A. Heizer  
D. R. Hensley  
D. A. Hess  
W. E. Hiatt

D. W. Hawk  
L. D. Heisserer  
S. D. Hency  
R. B. Herbison  
C. A. Heuermann  
L. Hill



Many of the students heading home on weekends find that hitch-hiking is an expensive means of reaching their destination.



# Seniors showed their knowledge



R. W. Hill  
F. J. Hohenberger



R. J. Hilton  
J. A. Holliday



H. R. Hirner  
F. L. Holliger



M. L. Hockett  
J. E. Hollingsworth  
G. L. Hoover  
L. S. Horn  
R. L. Houchin  
C. E. Huebner

L. Hoeckelman  
D. F. Hollrah  
E. V. Horan  
J. H. Horne  
D. L. Howe  
E. L. Huelsman

R. R. Hoesly  
E. M. Holt  
B. B. Horky  
M. B. Horsley  
W. C. Howell  
D. D. Huey



The UMR Radio Club puts on a simulated broadcast to the delight of all those at the Student Union who witnessed their display during the Campus Roundup.



## during Campus Roundup exhibition



D. A. Huff  
D. F. Jaggi

J. E. Hughes  
R. J. Jansen

W. M. Huskisson  
W. A. Jarrett

D. C. Hutcherson  
C. R. Jenkins

T. S. Irons  
T. L. Jennings

P. W. Jacobs  
P. E. Jensen



Senior Petroleum Engineering student Andy Efthim is seemingly distracted by another exhibit as he folds his arms and looks away from his own booth.



R. G. Jensen

P. L. Joenk

W. G. Johannpeter

G. A. Johns

G. M. Johns

E. L. Johnson



# Seniors exhibited great sportsmanship and



E. D. Jordan  
D. R. Jones

R. F. Jordan  
G. W. Jones

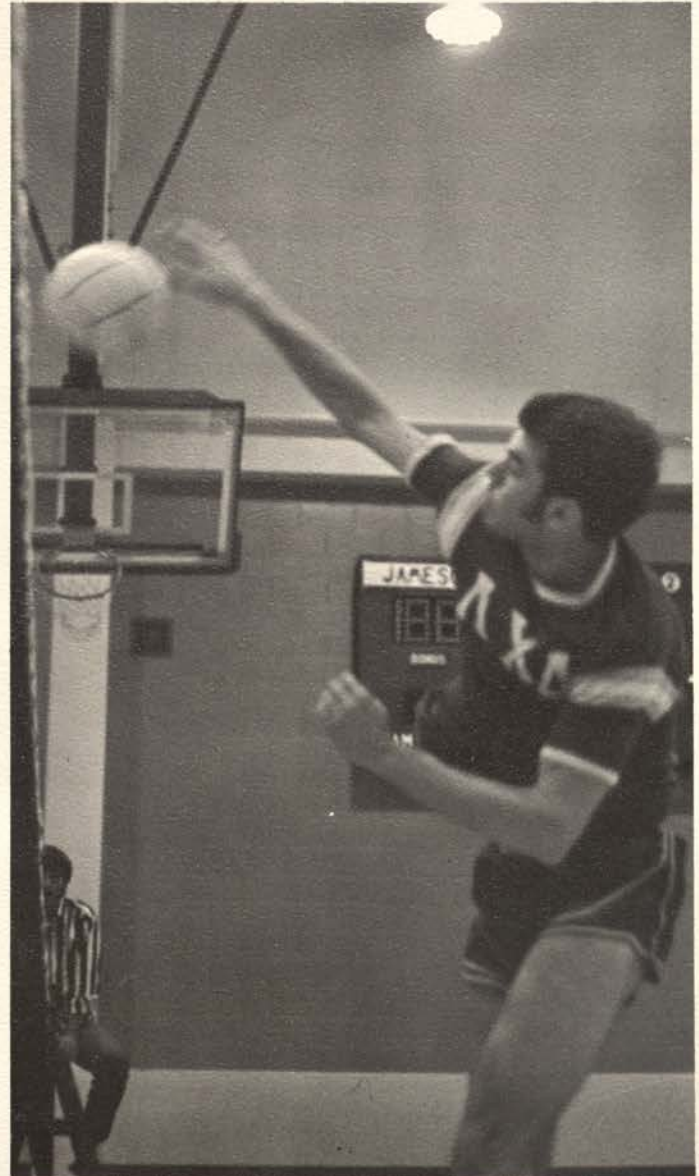
M. H. Joseph  
C. A. Jurgens



E. A. Johnson  
A. W. Jones  
R. L. Kalbac  
R. A. Karger  
B. F. Keeling  
K. D. Kelly

K. W. Johnson  
D. L. Jones  
J. J. Kammerer  
S. J. Kathmann  
G. W. Keller  
R. W. Kemp

R. W. Johnson  
D. B. Jones  
M. S. Kaplan  
W. A. Kean  
D. P. Kelly  
W. R. Kemp



Lambda Chi Alpha battled furiously throughout the playoff series as is exemplified in one of Bill Randolph's vicious spikes.



# desire in intramural volleyball finals



R. W. Kilper  
G. N. Kite

A. M. King  
M. Klatt

D. R. King  
R. R. Klosek

T. E. Kernan  
K. W. Kirkman  
R. J. Klug  
L. J. Knapp  
J. M. Koch  
G. S. Kotys

J. W. Key  
G. J. Kirmeyer  
R. P. Klump  
R. W. Knussmann  
M. V. Korth  
J. L. Kramer

J. J. Kilper  
J. D. Kistner  
R. A. Klusmeyer  
D. L. Koch  
D. N. Kosic  
R. E. Krebs



Leading the Phi Kaps to victory became a habit to senior Mike Windish as he knocked spike after spike across the net during the playoffs.



# Experienced seniors played major roles



The UMR Marching Band, poised for action, prepares to march downfield during the halftime festivities at Northeast Missouri State College.



K. J. Kreikemeier  
K. L. Kuebler  
T. J. Kwiecinski

D. P. Kreimer  
J. M. Kuenz  
R. A. Labpube

W. C. Kruckemeyer  
W. F. Kuhar  
S. C. Lamb

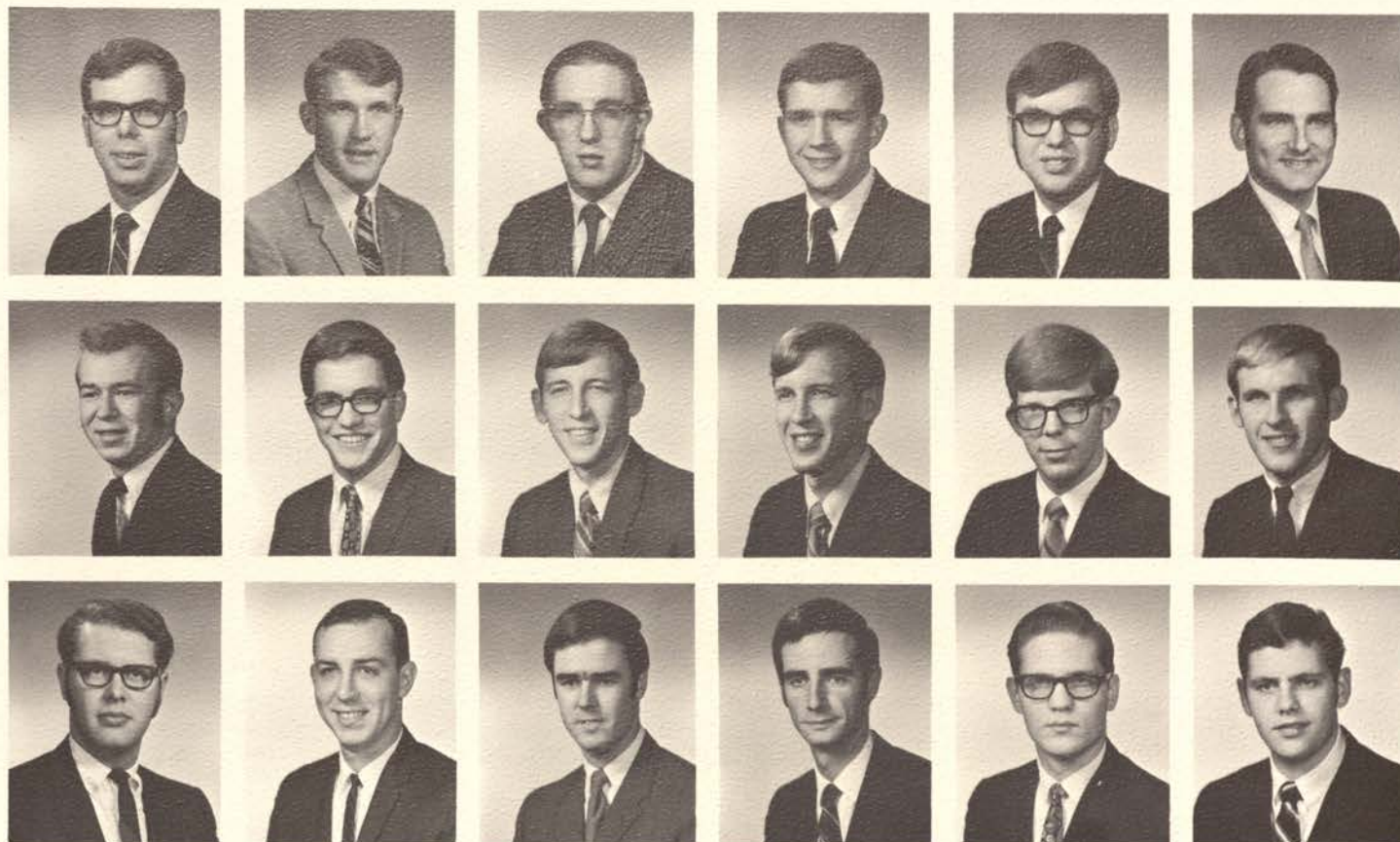
J. D. Krueger  
T. E. Kuhn  
J. E. Lambert

D. M. Kruep  
T. J. Kurtz  
T. J. Lambert

C. F. Krumick  
J. A. Kwiatkowski  
D. R. Lammers



## in the success of the marching band



E. W. Landreth  
M. R. Lawson  
T. W. Lehman

E. D. Lane  
B. E. Leach  
M. F. Lehnhoff

W. E. Langemach  
D. E. Leanhardt  
K. F. Leighner

G. A. Larsen  
D. W. Leanhardt  
C. Leni

G. S. Latta  
J. R. Lebrell  
W. C. Lenzing

C. C. Latty  
J. P. Legsdin  
J. G. Leone



During halftime shows at UMR, the kettle drums played an active part in keeping time to the beat set by the various other sections of the band.



# Seniors make the most of their last



E. C. Leriche  
W. R. Lewis



L. G. Leuschke  
K. W. Liescheidt



E. Levy  
J. R. Lindquist



L. F. Lewellen  
W. K. Litzinger



R. A. Lewis  
J. D. Llewellyn



W. E. Lewis  
V. N. Logan



As the crowds dispersed from the Friday night Homecoming bonfire, this lone student remained to ponder deep thoughts about his future endeavors.



M. W. Long



R. B. Lott



A. H. Loudermilk



D. E. Lueddecke



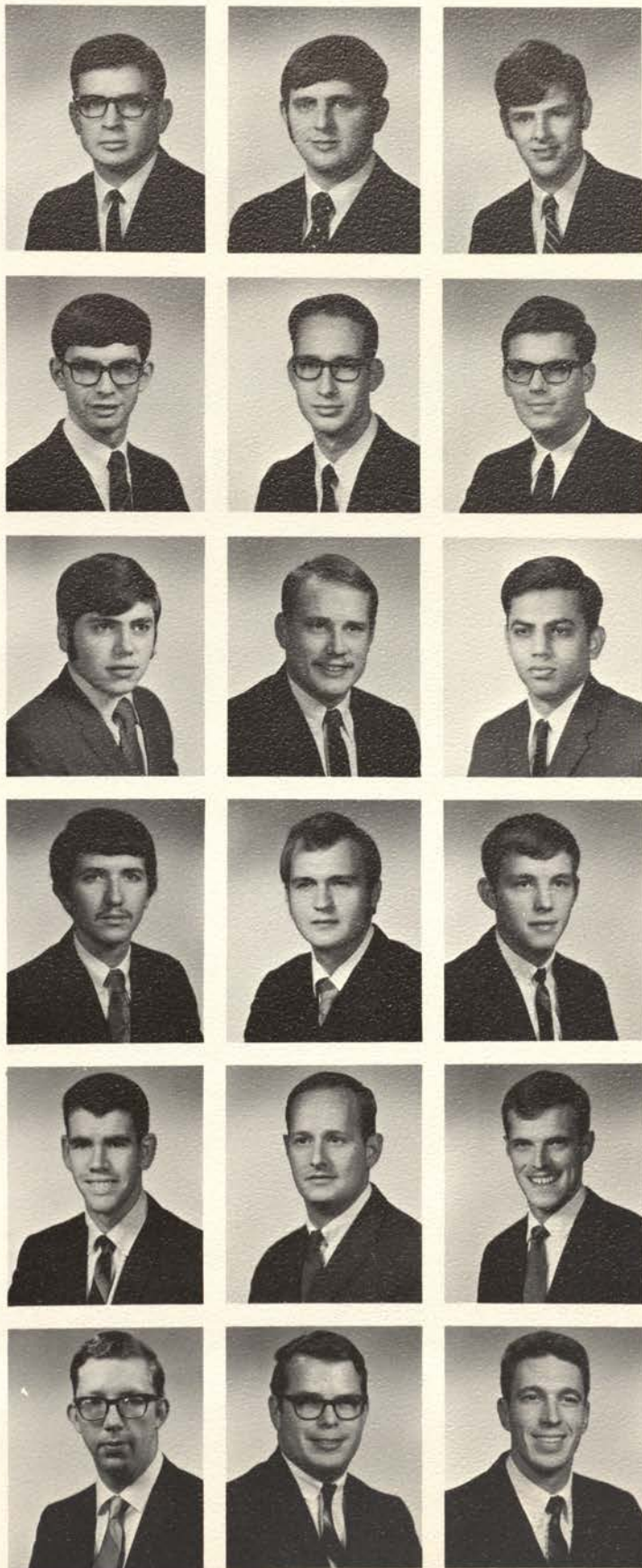
M. L. Lundergan



J. M. Lutz



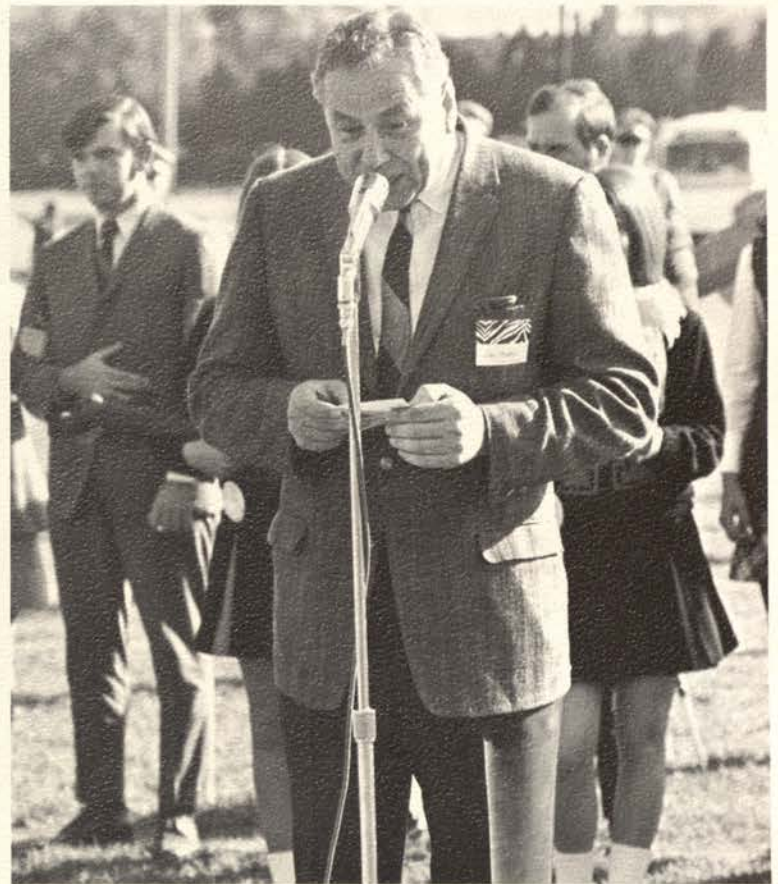
# Homecoming Party Weekend as students



J. Lynchard  
D. B. Maddox  
S. A. Mahanna  
W. J. Mahn  
L. S. Mangan  
E. M. Mark

B. W. MacDonald  
R. J. Maes  
J. N. Mahlandt  
R. W. Makinen  
T. W. Manning  
K. E. Martin

A. A. Mack  
R. J. Magee  
M. S. Mahmood  
F. L. Malicoat  
A. F. Marchiando  
R. C. Martin



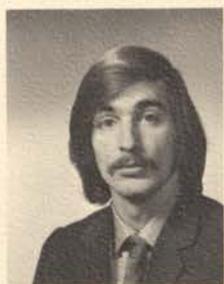
During the special halftime activities at the Homecoming football game, UMR Alumni Association president, James Murphy, addressed the capacity crowd.



The Student Union provided an excellent scene for a large dance on Saturday night as students danced until midnight and then partied on their own.



# Basketball squad led by strong



J. L. Martine  
R. P. Maty

J. H. Mason  
D. L. Maune

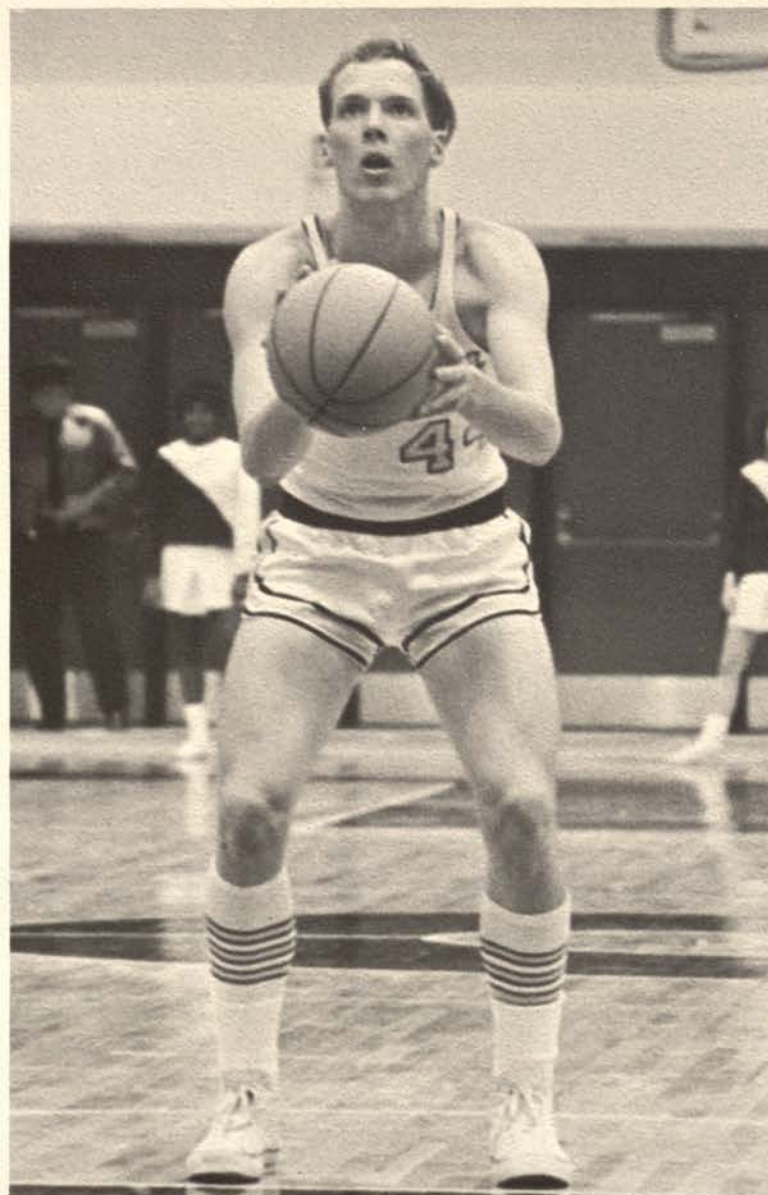
D. M. Massey  
L. W. Mays



J. L. Massey  
J. W. McAnany  
M. J. McCaw  
C. H. McCormick  
L. W. McDowell  
G. M. McGraw

R. S. Masters  
J. M. McCaffrey  
G. E. McClain  
D. W. McCormick  
G. A. McFarland  
G. D. McGrew

A. W. Matthes  
L. L. McCamy  
H. J. McCluskey  
J. E. McCracken  
J. B. McFerrin  
R. J. McKee



Captain of the UMR eagles and the only team member on the all-MIAA squad, senior Bob Hurt prepares to release a free throw against SMS.



# individual performances of seniors



J. B. McKelvey



W. L. McNabb



W. R. McQuitty



C. W. McTyer



L. W. McWilliams



M. E. Mechlin



Standout guard Rex Medlock pumps a jump shot from the head of the key in hopes of another Miner field goal against the strong UW-Milwaukee defense.



J. J. Meehan  
J. H. Michel



C. A. Meeker  
G. A. Michie



G. H. Melzer  
L. W. Midden



F. N. Mendell  
J. W. Middleton



K. L. Metz  
C. D. Mikkelsen



J. W. Meyer  
W. M. Mild





## Spirited seniors enjoyed numerous



J. R. Milde  
J. M. Mills  
R. A. Moffat

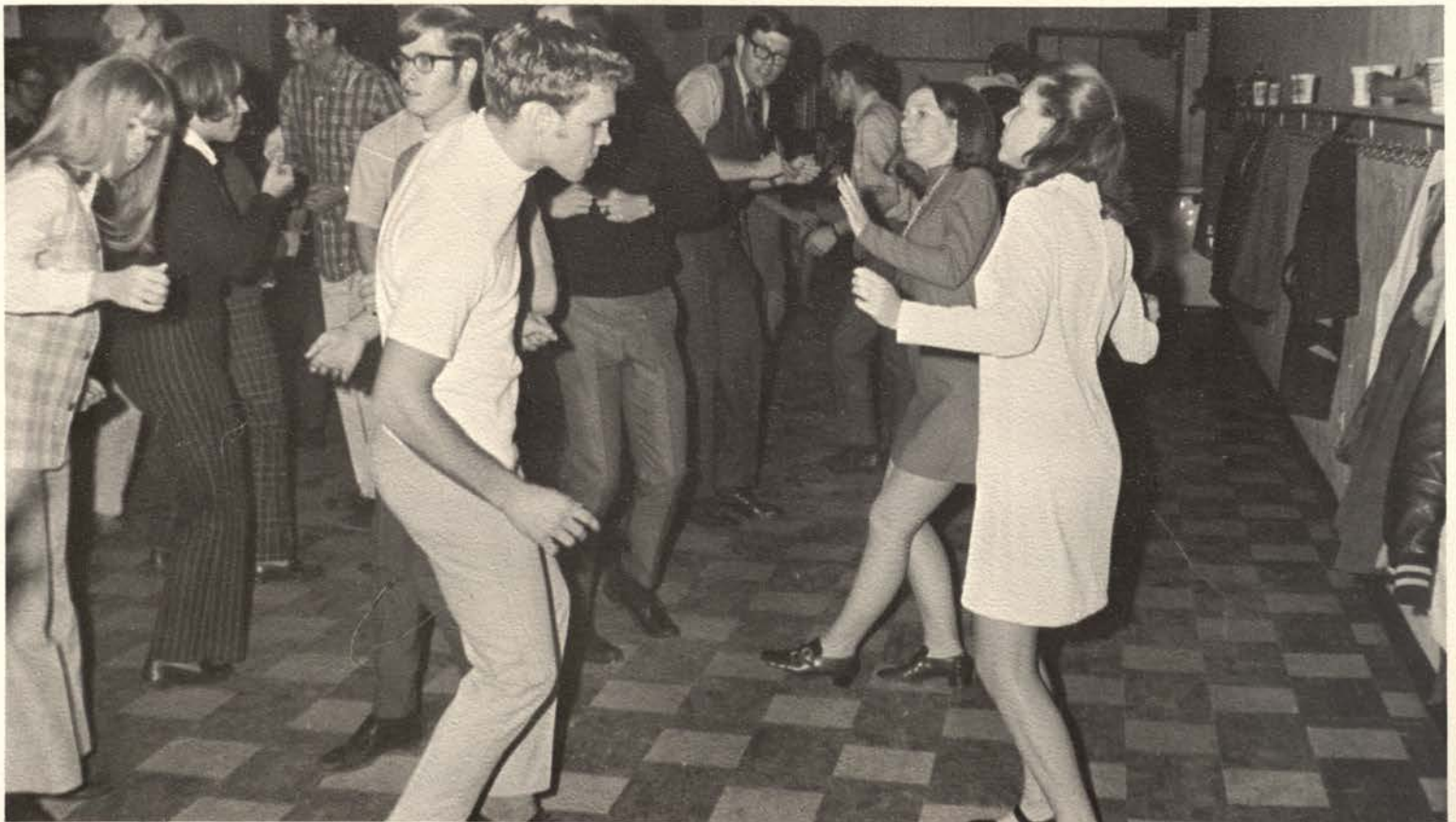
M. M. Millenbruck  
K. A. Mirly  
R. R. Montgomery

G. L. Miller  
J. W. Mitchell  
W. S. Moore

J. D. Miller  
H. Moullem  
E. L. Morgan

R. A. Miller  
C. R. Moehle  
J. R. Morris

R. J. Miller  
T. J. Moeller  
L. D. Morris



Christmas Party Weekend was highlighted by numerous dances held at eating clubs and fraternities, like this one that took place at Shamrock Club.



# Christmas Party Weekend activities



On Friday evening, both Greeks and Independents turned out to witness the IFC Sing and marvel at the ability of such groups as Beta Sigma Psi's chorus.



P. C. Morrison  
C. J. Murray  
T. C. Nebel

K. E. Moss  
D. R. Murray  
D. E. Neely

G. F. Mouser  
G. M. Murray  
D. G. Neumeyer

M. R. Mruzik  
D. W. Myers  
G. L. Newcomb

S. J. Muir  
K. C. Naeger  
P. W. Nicholson

J. L. Mundwiller  
T. W. Naylor  
J. C. Niederschmidt



# Seniors witnessed the dedication



G. L. Noedel  
O. O. Olusanya

R. C. Noel  
W. E. Omohundro

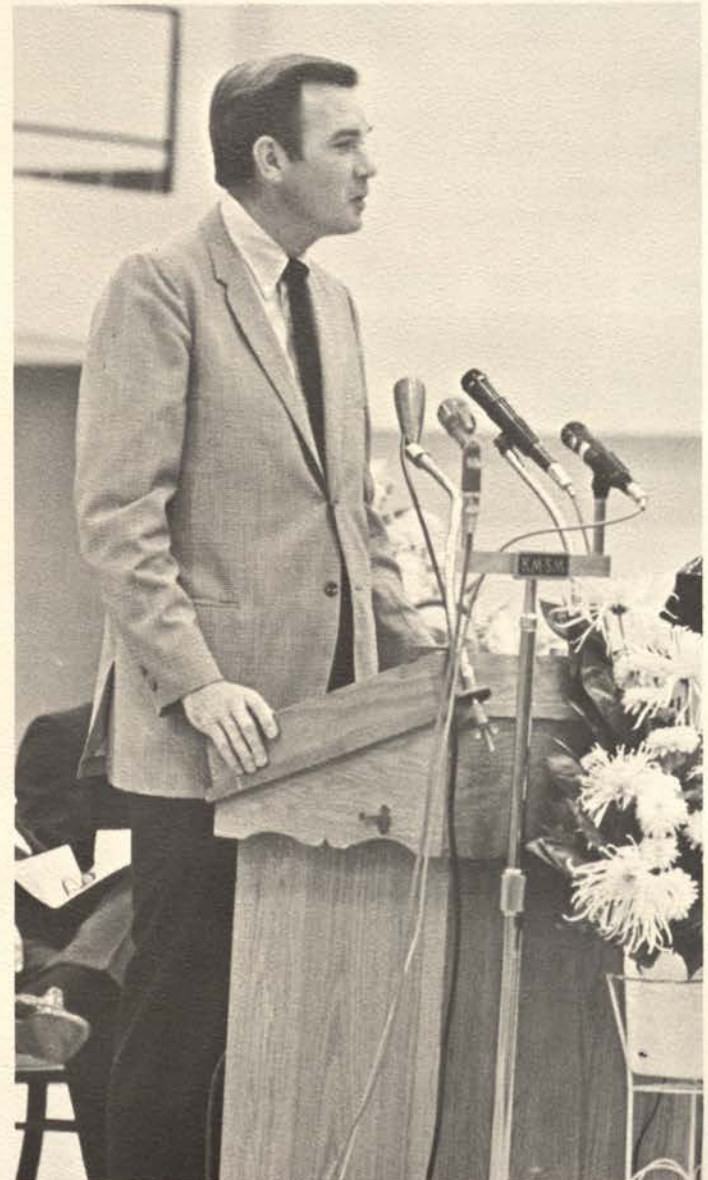
L. E. Nolan  
D. O'Neill



R. E. Niesen  
R. D. Norris  
L. L. Onstott  
V. D. Orr  
E. W. Owens  
A. E. Palisch

S. M. Nimmo  
J. L. Nunn  
M. Oppenheim  
J. L. Ostermann  
R. K. Owens  
C. A. Palmer

K. J. Nissing  
K. M. Oglesby  
R. L. Orcutt  
E. A. Oti  
S. L. Owens  
G. N. Palmer



Former professional basketball star Ed MacCauley, addressed a full house at the ceremonies dedicating the new UMR field house.



## of two new campus super-structures



J. L. Parker  
J. D. Parmelee  
R. E. Peters

J. M. Parker  
J. D. Parsons  
L. D. Peterson

R. L. Parker  
D. R. Paul  
L. G. Peterson

M. R. Parkhurst  
B. Pearl  
G. S. Phillips

R. H. Parks  
W. R. Pendergast  
M. D. Phillips

W. R. Parks  
H. I. Persing  
J. M. Pickett



Warren E. Hearnes, governor of the state of Missouri, was the guest speaker at the multi-million dollar Mechanical Engineering Building dedication.



# Seniors in metallurgy learned to make



P. E. Pietrzak  
G. J. Potter  
H. L. Price

T. G. Podgorny  
C. A. Potzmann  
H. D. Puls

S. W. Pogue  
K. J. Potzmann  
R. O. Purcell

G. W. Pieper  
C. Pokross  
R. J. Powell  
T. C. Pursley  
K. J. Rademan  
J. J. Ranieri

A. G. Piepho  
J. A. Ponciroli  
D. A. Powers  
W. L. Quayle  
C. R. Ragsdale  
A. B. Ranjbar

J. R. Pierce  
N. S. Portnoff  
R. O. Prenger  
D. L. Raby  
W. E. Randolph  
M. F. Raterman



Thanks to such capable instructors as Professor Bob Wolf, metallurgy students learned great proficiency in their field.



## useful products out of raw materials



G. L. Rauls



B. T. Ray



C. T. Ray



E. D. Ray



J. J. Rechner



G. A. Reed



One of the many tasks that are assigned during metallurgy labs is grinding a sample of martensite to determine the effects of the quenching rate.



M. L. Reed



R. L. Reed



S. L. Reed



J. A. Reid



M. E. Reinbott



R. P. Reinhardt



# Electrical Engineering seniors gain firm



Students learned the many facets of Electrical Engineering, including the use of the oscilloscope to determine circuit characteristics.



R. M. Reis  
R. E. Reynolds  
J. R. Richardson

J. G. Rekus  
J. Rezvani  
J. M. Richey

R. A. Rellergert  
G. I. Rhine  
D. L. Ricks

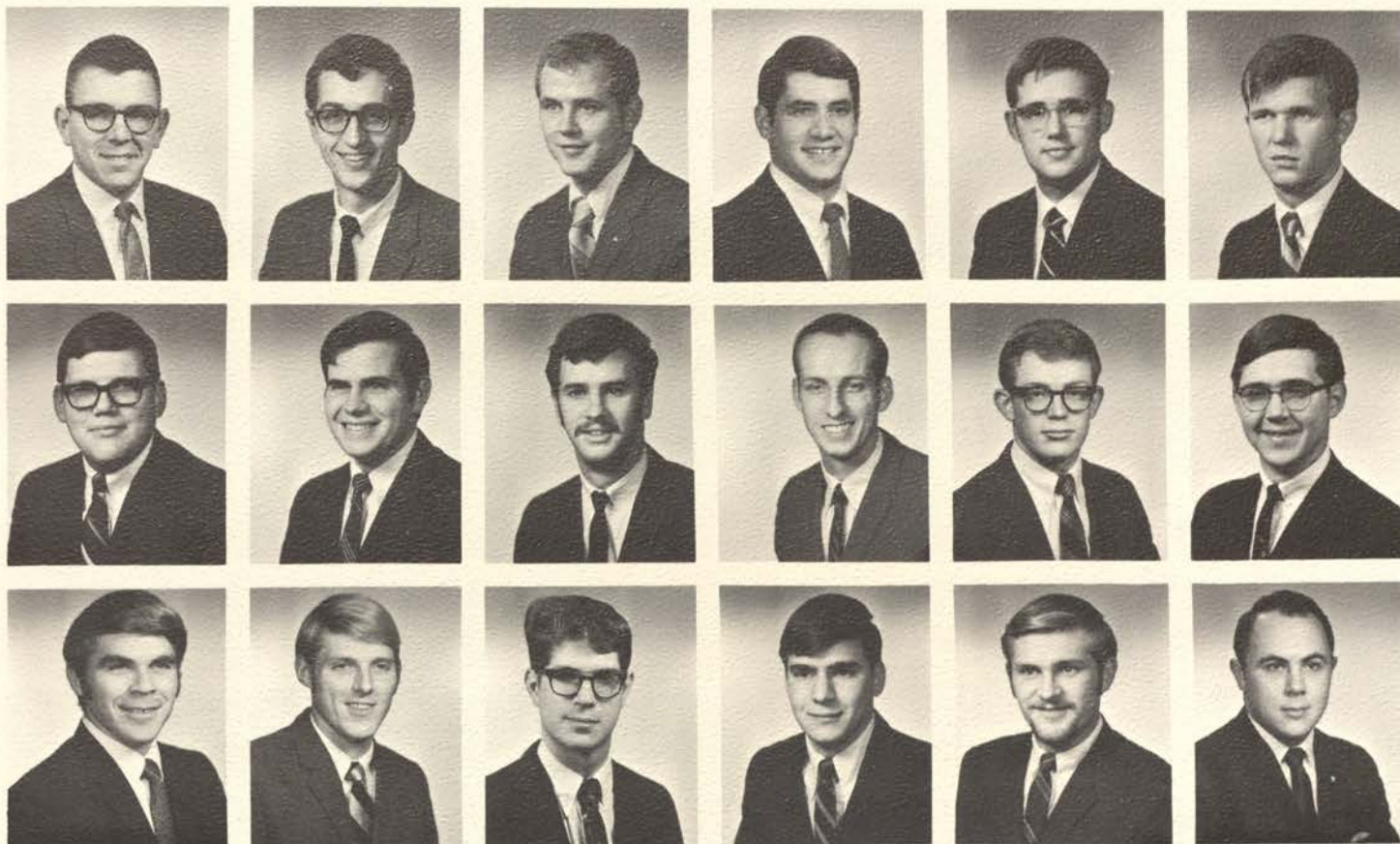
S. H. Renick  
T. L. Rhodes  
M. P. Ricono

R. C. Reuter  
C. A. Rhyne  
C. W. Riddle

J. C. Reynolds  
R. R. Richards  
J. D. Riege



# foundation in fundamental principles



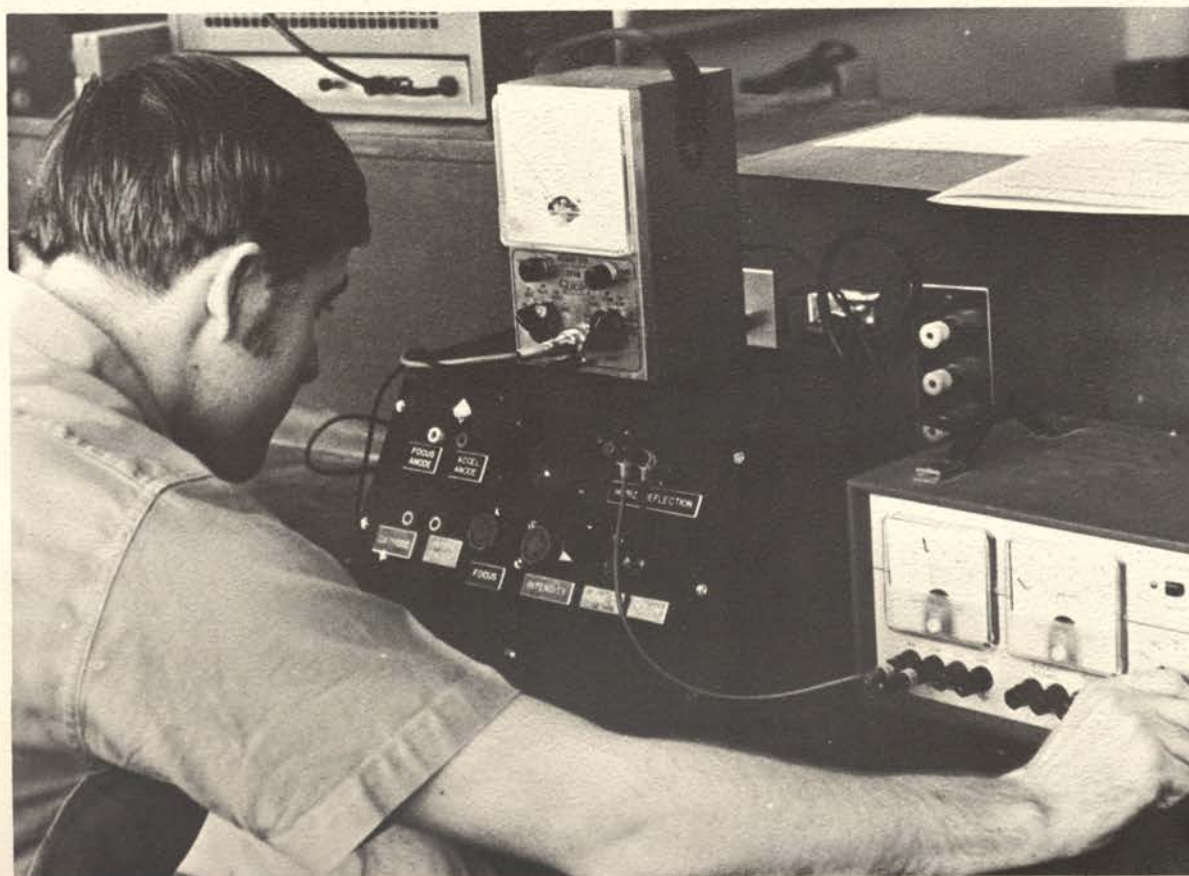
R. A. Rinne  
G. M. Robinson  
R. J. Rohner

D. J. Ritter  
F. J. Rocchio  
D. R. Rolle

R. F. Robb  
J. A. Roche  
R. J. Roman

S. A. Roberts  
E. R. Roesch  
B. R. Romine

D. T. Robertson  
L. A. Roettgen  
D. W. Rommelmann



Intense concentration is evident on the face of this student as he studies the principles of the cathode ray tube during a laboratory period.



D. K. Robertson  
R. G. Rogers  
M. J. Rooney  
A. Rosenkoetter  
J. A. Ross  
L. H. Ross



## Seniors take command of



S. C. Ross  
H. W. Ruhlman



R. A. Rothermich  
M. W. Rupp



E. J. Roubidoux  
N. R. Rusch



R. L. Roush  
T. J. Ryan



J. M. Rowan  
W. L. Sago



M. R. Ruhland  
J. W. Sander



Planning their next course of action, this group of ROTC cadets will attempt to seek out and destroy their enemy through the use of military tactics.



B. W. Sandner



P. W. Sanocki



S. J. Savorelli



G. J. Schade



C. R. Schaffer



R. L. Schatz



# troops during ROTC mock war



C. W. Schliwa  
J. S. Schnake  
M. J. Schreiner

M. G. Schmidt  
J. E. Schnarr  
R. W. Schreiner

R. L. Schmidt  
D. A. Schneider  
R. A. Schroeder



L. H. Schellman  
T. E. Schmidt  
M. J. Schoeffler  
D. W. Schroll  
C. O. Schwanke  
T. S. Sears

E. A. Schill  
M. P. Schmierbach  
R. A. Schoenbach  
J. F. Schuette  
A. A. Schweizer  
T. A. Selden

K. L. Schilling  
J. F. Schmitz  
C. J. Schoenefeld  
J. L. Schwager  
D. E. Scott  
W. E. Schegger

Stalking through the dense forestry of Lions Club Park, these two cadets keep a close lookout for enemy action as they patrol the area.



# Seniors played important roles in



L. O. Schafer  
J. E. Shepard  
W. K. Shinn

J. T. Shanholtzer  
C. A. Shepherd  
L. W. Shorter

R. C. Shanks  
L. G. Shepherd  
B. L. Shriver

D. H. Shaw  
K. D. Sheppard  
D. H. Sibigroth

D. P. Shea  
R. E. Sherrell  
O. W. Siebern



M. H. Shea  
H. D. Sherrick  
R. J. Siegel  
J. M. Simmons  
M. H. Sipp  
B. R. Smith



Tech Club defeated 59ers by a score of 63 to 57 in the intramural basketball championship game to win their first major athletic trophy in two years.



# their organization's intramural program



C. L. Smith  
R. T. Smith

D. W. Smith  
W. S. Smith

E. C. Smith  
M. R. Snow



M. L. Smith  
J. R. Sober  
L. K. Spencer  
A. M. Springer  
S. W. Starkweather  
D. F. Steimel

R. E. Smith  
V. R. Spaunhorst  
J. S. Spiller  
D. L. Stack  
H. B. Steele  
J. H. Stein

R. E. Smith  
D. J. Spellman  
J. A. Spitzmiller  
R. J. Staebel  
T. P. Stefansky  
M. W. Stephenson



Intramural track proved that most UMR students are in a little bit better physical condition than they often appear to be.



# Greek traditions were upheld



J. E. Stewart  
G. L. Strother

T. M. Stoll  
R. M. Struckhoff

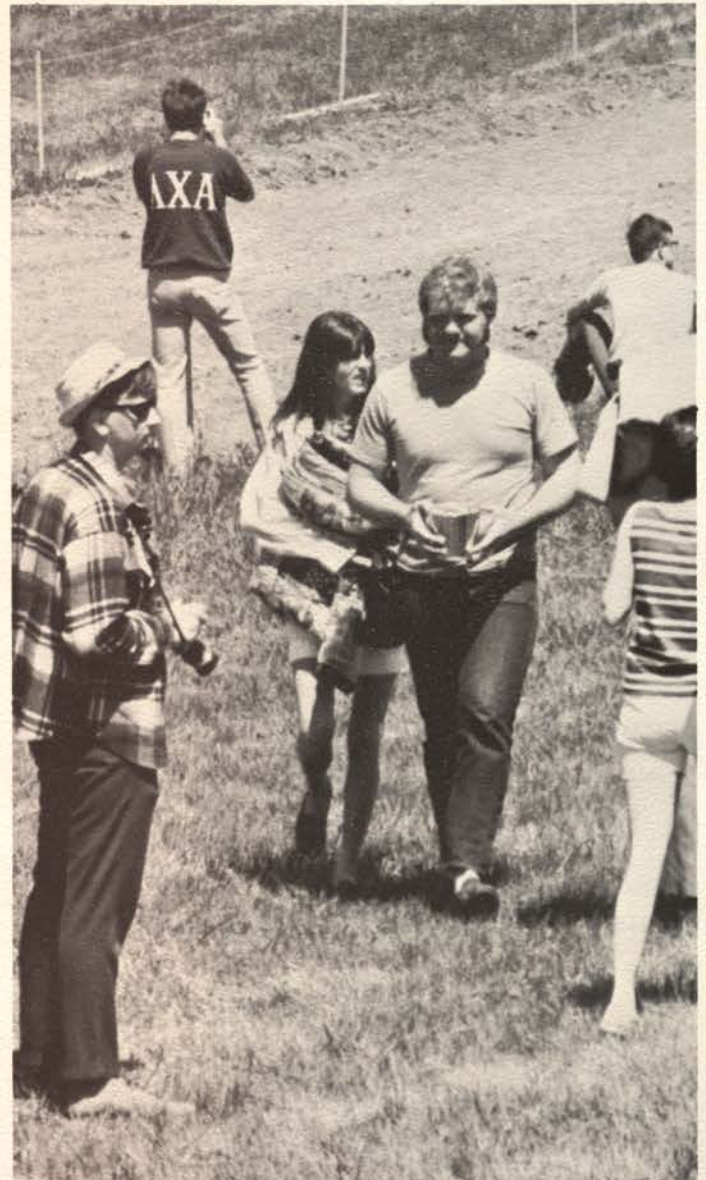
T. L. Storie  
D. A. Struessel



R. R. Steudtner  
B. B. Strang  
R. Stubblefield  
F. R. Suher  
L. R. Swift  
D. R. Swyers

T. D. Steury  
B. M. Strauser  
O. T. Stuenkel  
M. F. Svoboda  
D. W. Swinney  
D. R. Swyers

L. D. Stevenson  
W. P. Strong  
J. H. Suellentrop  
C. C. Swiecicki  
R. C. Swoboda  
P. J. Tafra



John Ziegenfuss and his wife Joan appear contented as they prepare to leave the Elysian Fields after viewing the Greek Week Games.



through active efforts of seniors



Hundreds of greeks were on hand to view all of the festivities that took place at the Elysian Fields on Saturday afternoon of Greek Week Party Weekend.



F. J. Tawill  
R. W. Thieme  
W. M. Thompson

R. G. Taylor  
G. O. Thomas  
R. K. Thomson

G. G. Teasley  
J. P. Thomas  
A. W. Thorpe

T. N. Tekotte  
V. E. Thomas  
H. R. Threlkeld

E. B. Tenes  
W. M. Thomasson  
D. A. Tiemann

M. J. Termini  
R. M. Thompson  
F. A. Tijan



# Seniors headed ROTC Brigade Review in



H. C. Timbrell  
G. R. Trexler



W. L. Tolle  
W. C. Trnka



W. Torres  
R. K. Tucker



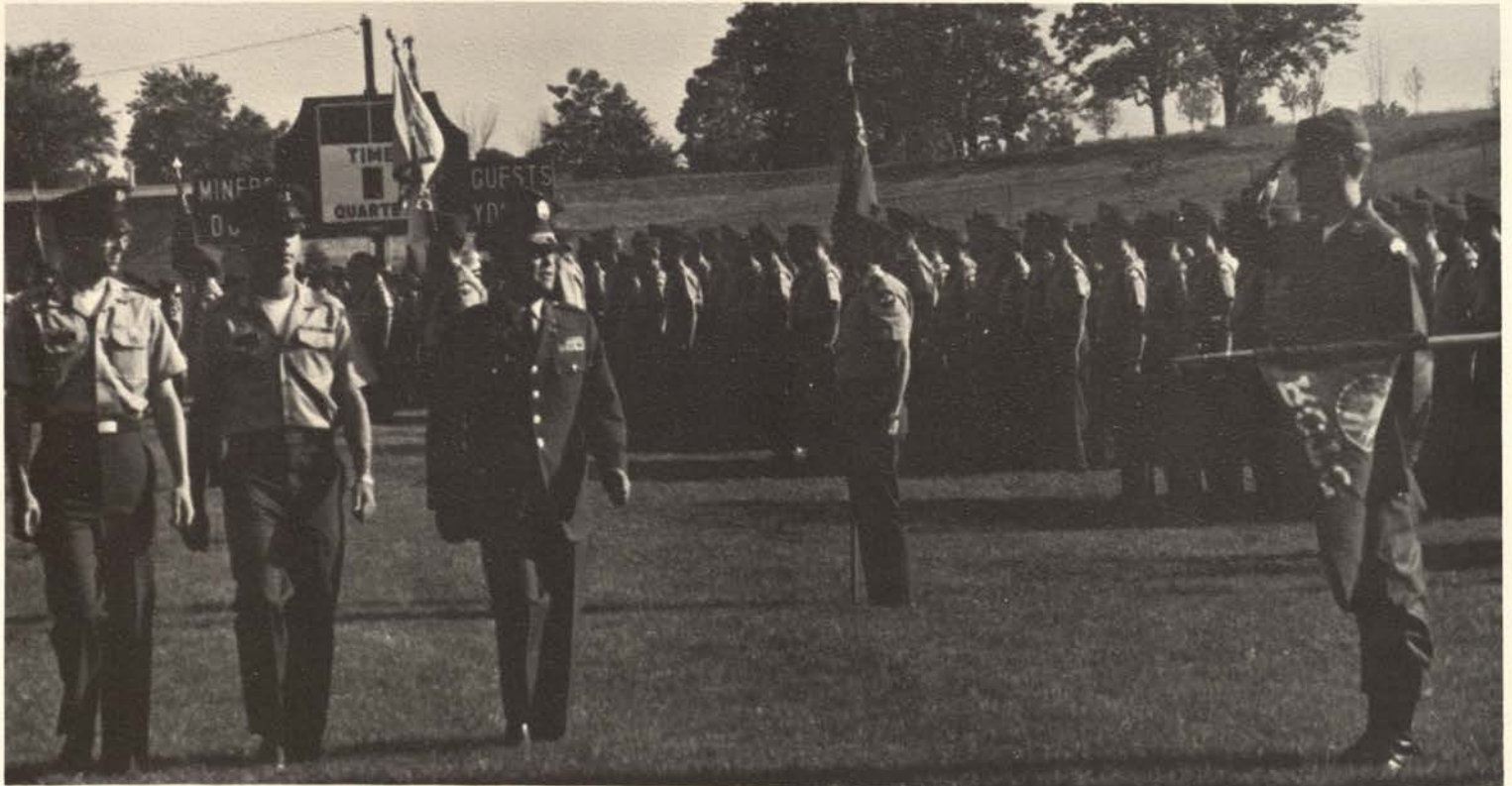
G. A. Toth  
R. P. Tuetken



A. L. Townsend  
M. C. Turco



D. R. Townson  
T. W. Turner



With all cadets in attendance and standing at attention, a high ranking officer representing the 5th Army marches along and reviews the troops.



J. L. Tutka



D. H. Twellman



J. D. Tyler



J. J. Tyler



F. R. Uebel



C. F. Umphenour



# spring semester at New Jackling Field



C. P. Unterreiner  
G. M. Vernon  
W. C. VonDemfange  
L. V. Wade  
J. R. Wagner  
H. J. Walk

R. W. Ursch  
T. M. Vicente  
T. J. Vosburge  
J. E. Waggoner  
P. Wagner  
R. B. Wall

H. D. Ussery  
D. Viland  
E. L. Vrenick  
D. L. Wagner  
C. F. Wakefield  
E. R. Wallerstein

A. C. Vendeboe  
J. E. Vincent

R. L. Varnon  
W. F. Vineyard

P. E. Vaughn  
P. A. Viox



Members of the UMR chapter of the Pershing Rifles provided a colorful honor guard for the ceremonies that took place during the brigade review.



## Seniors conclude industrious



E. C. Wallgrew



D. B. Walters



D. A. Wand



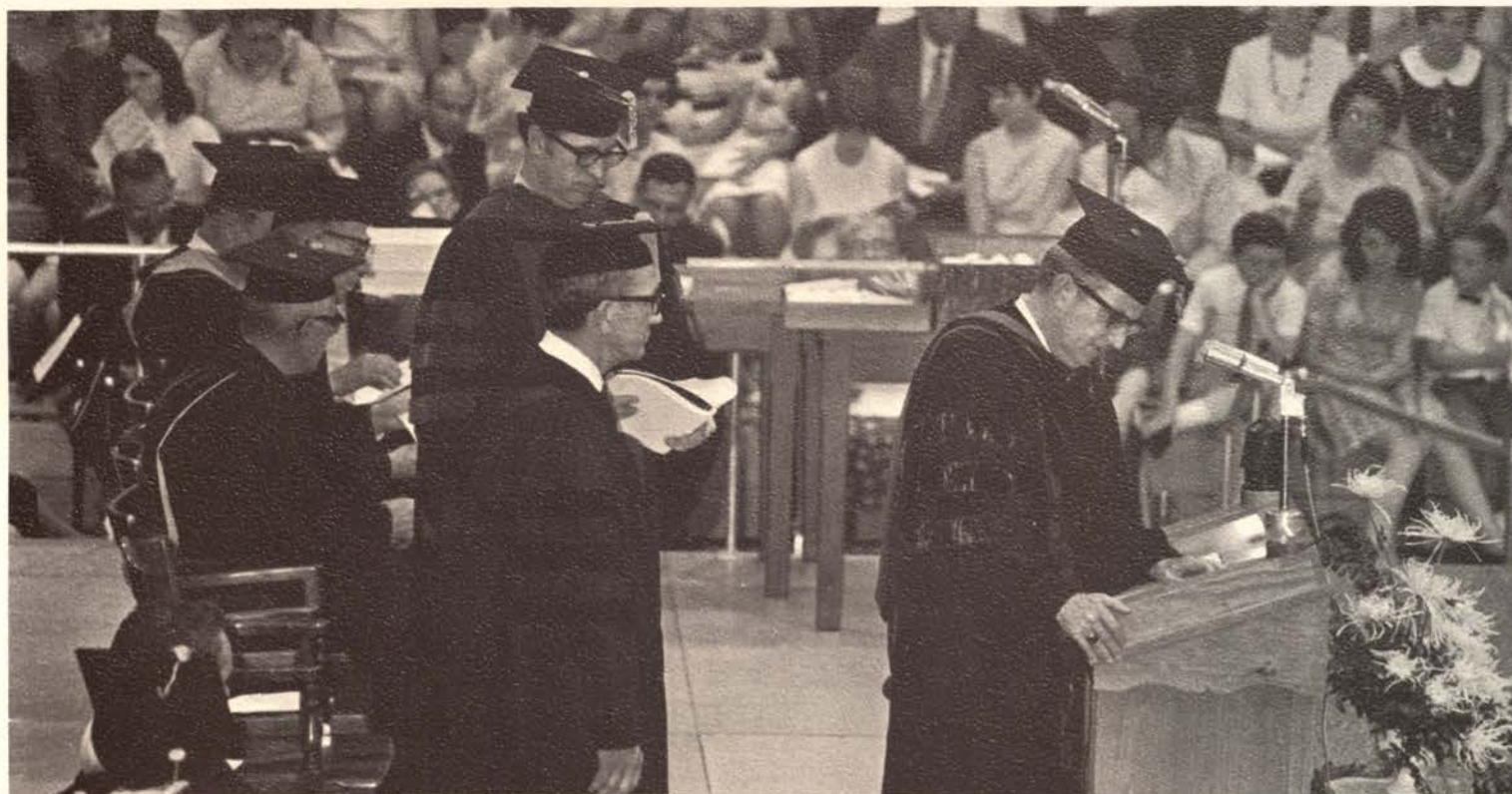
T. R. Ward



R. F. Ward



P. J. Warden



Missouri University president John C. Weaver addressed students, faculty, and parents at graduation ceremonies as UMR chancellor Merl Baker looked on.



J. R. Warner  
J. S. Weber



J. C. Wattenbarger  
W. K. Wedge



S. M. Weatherly  
J. R. Wege



J. D. Webb  
G. R. Wegman



R. J. Webb  
J. L. Weible



S. H. Webb  
B. R. Weiss





# efforts at commencement exercises



D. A. Weiss



T. W. Weiss



E. R. Wellinghoff



C. L. Wells



R. A. Wells



W. E. Welsch



Graduating seniors sat patiently through speeches such as the one presented by Missouri senator Thomas Eagleton, as they waited to receive their degrees.



R. J. Wesely  
D. L. Whitney



W. K. Westray  
N. D. Whitney



R. L. Wethington  
J. D. Wiggins



J. W. White  
B. K. Wilbur



R. T. White  
R. D. Wiley



J. D. Whitehead  
A. G. Williams





# Seniors backed Miner sporting events



A. H. Williams  
J. H. Williams  
D. B. Wilson  
B. R. Winsor

A. L. Williams  
M. C. Williams  
R. C. Wilson  
D. R. Wolf

D. A. Williams  
M. C. Williams  
T. G. Wilson  
T. F. Wolff

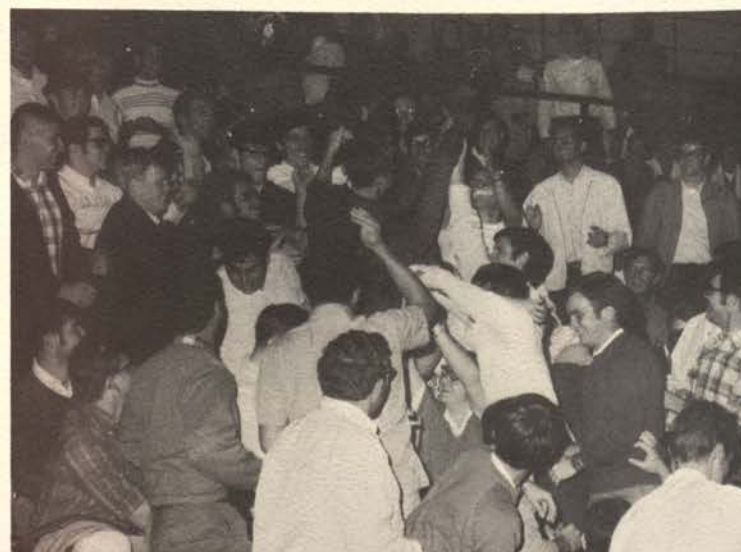
H. W. Williams  
R. R. Williams  
M. W. Windish  
M. L. Wolgamott

J. R. Williams  
R. R. Williams  
F. Winfield  
J. A. Woltjen

J. T. Williams  
R. C. Wilmesher  
T. E. Winkler  
J. R. Wood



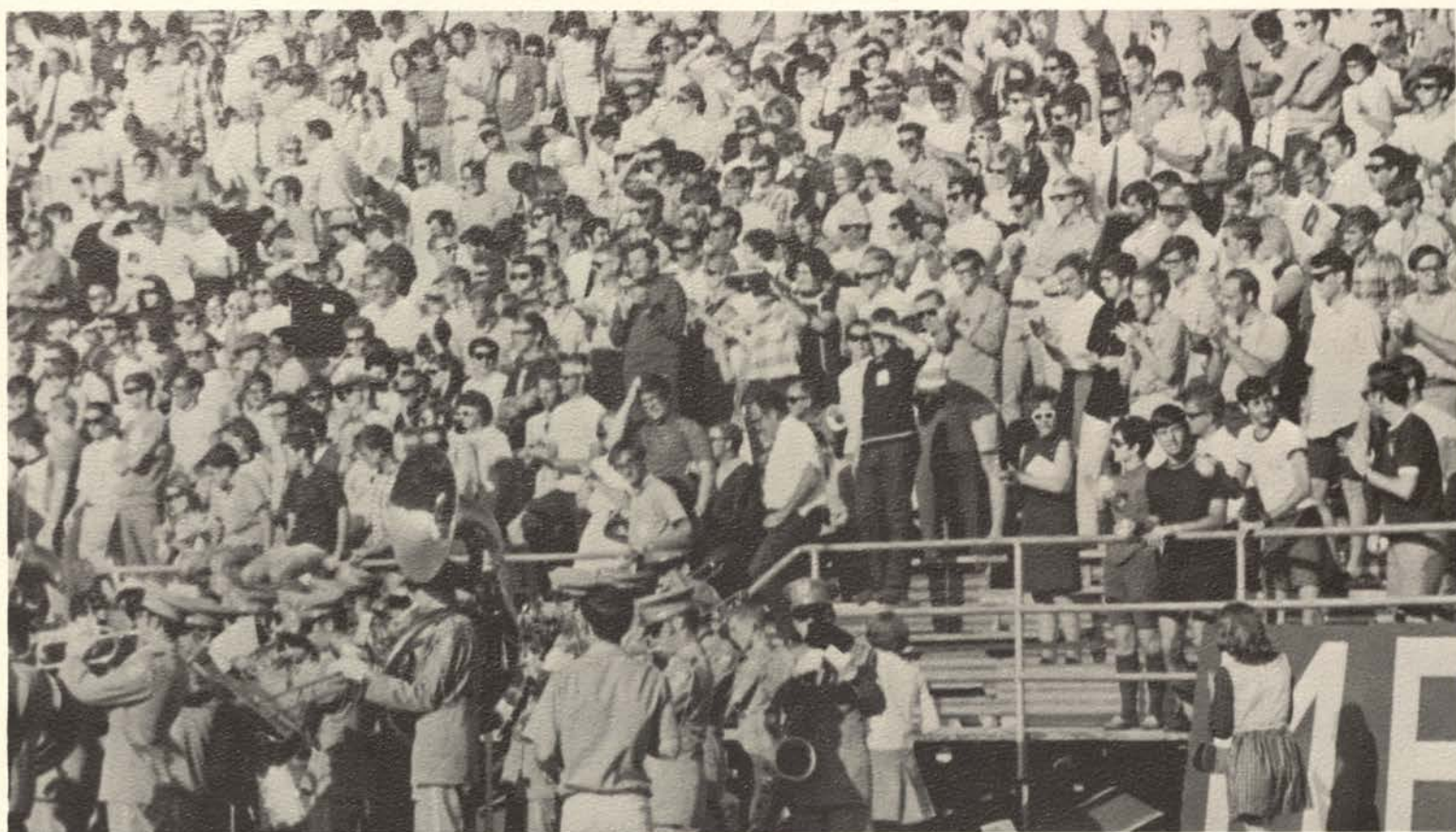
The new Multi-Purpose building was packed to capacity for the Friends of Distinction as students found the crowded conditions worthwhile.



As the Miners grow impatient for the beginning of the Brooklyn Bridge performance, they play a little game of "pass your buddy."



## and general lectures series



As the football team had its best year in ages, the capacity crowds at Jackling Field were indicative of UMR's successful season.



C. R. Woodland  
F. A. Younker  
R. A. Zerbonia

W. C. Woods  
M. R. Yount  
R. R. Zesch

D. E. Wortman  
J. Yousefian  
D. L. Zullig

R. E. Wright  
R. H. Yowell  
E. L. Zust

D. F. Wunderlich  
T. A. Zaborac  
R. G. Zylich

J. R. Yack  
R. A. Zagar  
J. J. Boevinghoh



# Senior Activities

## A

ABEL, FRED S. ELECT ENG  
St. Louis, Mo.  
ABERNATHIE, WILLIAM E. ELECT ENG  
St. Louis, Mo.  
Tau Beta Pi; Eta Kappa Nu; First Honor Roll.  
ADDINGTON, LARRY ALTON CER ENG  
Hermitage, Mo.  
Fifty-niners; MRHA; ACS; Keramos; Tau  
Beta Pi; Phi Kappa Phi; Phi Eta Sigma; Hon-  
or list; University Scholar; J.B. Arthur  
& Family Scholarship and Loan Award.  
ADLER, ROBERT B. ENG MGT  
Forest Hills, N.Y.  
Thomas Jefferson.  
AIMERITO, MICHAEL RAY MECH ENG  
St. Louis, Mo.  
SAE, President, Vice-President.  
ALDRIDGE, DON W. ELECT ENG  
Stratford, Mo.  
Campus Club; IEEE; Eta Kappa Nu.  
ALEXANDER, HAROLD R. ELECT ENG  
Pleasant Hill, Mo.  
MRHA, Governor, Personnel Assistant;  
IEEE; Tau Beta Pi; Eta Kappa Nu; Phi Eta  
Sigma; University Scholar; Black and Veatch  
Electrical Scholarship; Honor List.  
ALEXANDER, WAYNE S. MECH ENG  
Creve Coeur, Mo.  
Kappa Alpha, President; SAE; NSPE; APO;  
Pi Tau Sigma; Intercollegiate Knights; IFC.  
Secretary.  
ALEXANDER, WILLIAM DAVID  
CHEM ENG  
St. Louis, Mo.  
Sigma Pi; AICHe.  
ALLEN, DENNIS LESLIE CHEM ENG  
St. Joseph, Mo.  
Engineers Club; ASCE; Dodd Foundation  
Scholarship.  
ALLEN, GREGORY S. CHEM ENG  
Billings, Mo.  
MRHA; AICHe, Vice-President; Intercolle-  
giate Knights; Alpha Chi Sigma; Dean's Honor  
Roll.  
ALLEN, RONALD EDWARD MECH ENG  
Campbell, Mo.  
Delta Tau Delta.  
ALLISON, MELVIN R. CIVIL ENG  
Fenton, Mo.  
ALM, DARRELL R. CIVIL ENG  
St. Louis, Mo.  
MRHA; GDI; ASCE.  
AMOS, DONALD D. MECH ENG  
Lebanon, Mo.  
Fifty-niners; AIAA; Honor List.  
ANDERSON, BRUCE CECIL PHYSICS  
St. Louis, Mo.  
MRHA; SPS, Secretary, Treasurer; Intercol-  
legiate Knights; Sigma Pi Sigma; 1968, 1969

Curator's Award.  
ANDERSON, RONALD R. MECH ENG  
Peoria, Illinois  
SAE.  
ANDREAE, VICKI M. MATH  
Chaffee, Mo.  
Society of Women Engineers, Secretary;  
Honor List.  
ANDREWS, KENNETH W. CIVIL ENG  
Independence, Mo.  
Fifty-niners; Independents; ASCE; Honor  
List.  
ANGELICH, MICHAEL R. PSYCHOLOGY  
Northport, N.Y.  
Engineers Club; Psychology Club.  
ARCHER, JAMES FRED ELECT ENG  
Mountain Grove, Mo.  
Fifty-niners; GEI; IEEE; Intercollegiate  
Knights; Eta Kappa Nu; Tau Beta Pi; First  
Honor List; Curator's Scholarship; Schlum-  
berger Foundation Scholarship.  
ARNOLD, ROCKY RICHARD MECH ENG  
Springfield, Mo.  
Thomas Jefferson; ASME; AIAA; Kappa Mu  
Epsilon; Pi Tau Sigma; Scabbard & Blade;  
Tau Beta Pi.  
ASCHINGER, ERIC D. ELECT ENG  
St. Louis, Mo.  
Delta Tau Delta, President, Vice-President;  
APO; IFC; Photo Club.  
ASHBY, KEITH L. CHEM ENG  
Blue Mound, Illinois  
Shamrock; GDI; AICHe, President, Vice-  
President, Secretary; Alpha Chi Sigma, Sec-  
retary; Honor List.  
ASTOLFI, RICHARD LEE ELECT ENG  
Mt. Vernon, Mo.  
Sigma Pi; IEEE.  
ATTEBERRY, MAX E. ENG MGT  
Lancaster, Mo.  
Pi Kappa Alpha; UMR Mgt. Society; IEEE;  
AIAA; Miner; St. Pat's Board; Photo Club.  
AUSTIN, KENNETH KEITH CIVIL ENG  
Mt. Grove, Mo.  
Tech Club; Football.

## B

BAHOR, CHARLES S. MECH ENG  
Mt. Vernon, N.Y.  
Engineers; GDI; SAE; ASME; ASTME.  
BAKER, EVERETT CAROLL MECH ENG  
Chillicothe, Mo.  
MRHA; SAE.  
BAKER, WALTER A. II PET ENG  
Greenfield, Illinois  
Sigma Pi; SPE.  
BAKULA, JOHN CHARLES ELECT ENG  
St. Louis, Mo.  
Sigma Tau Gamma, President, Treasurer;  
Theta Tau; Alpha Phi Omega; Student  
Council.

BALABAN, THEODORE S. COMP SCI  
Springfield, Mass.  
Alpha Epsilon Pi; ACM; First Honor Roll.  
BALDWIN, DANNY C. AERO ENG  
St. Joseph, Mo.  
AIAA.  
BALDWIN, DUNCAN BEN PHYSICS  
St. Ann, Mo.  
Curator's Award.  
BALLANTYNE, DAVID MET ENG  
Kansas City, Mo.  
Shamrock; ASM-AIME, Vice-President;  
AFS; ASM, Treasurer; Liahona; First Hon-  
ors; ASARCO Scholarship; Olin-Mathison  
Research Grant.  
BARKER, RONALD E. CIVIL ENG  
Florissant, Mo.  
Sigma Pi; ASCE.  
BARNETT, RALPH L. MECH ENG  
Hutchinson, Kansas  
ASME; SAE; First Honor Roll; Lavern Noyes  
Scholarship.  
BASLER, DAVID L. CIVIL ENG  
St. Louis, Mo.  
MRHA; ASCE.  
BACHELOR, GEORGE N. MECH ENG  
Overland, Mo.  
Shamrock; SAE.  
BAUDER, CLARENCE H. MECH ENG  
St. Louis, Mo.  
Shamrock.  
BAUMANN, BRUCE W. ENG MGT  
Philadelphia, Pennsylvania  
BEACH, DONALD JEAN ELECT ENG  
Maplewood, Mo.  
IEEE; Honor List.  
BEASLEY, OLEN WAYNE MECH ENG  
Birch Tree, Mo.  
Fifty-niners; GDI; SAE.  
BECKERDITE, GLENN N. MECH ENG  
Independence, Mo.  
MRHA, Secretary-Treasurer House 5;  
ASME; SAE.  
BEARDSLEY, DAVID DENNIS  
CIVIL ENG  
Glendale, Mo.  
Delta Tau Delta; ASCE; Phi Eta Sigma; Chi  
Epsilon; Honor List.  
BECHTEL, JAMES LEE ENG MGT  
Millstadt, Illinois  
Pi Kappa Alpha; ASTME; Management Soci-  
ety; CYR.  
BEIRNE, JOHN MICHAEL CIVIL ENG  
St. Louis, Mo.  
Independents.  
BELINGLOPH, GARY M. ENG MGT  
Kansas City, Mo.  
Campus Club; GDI; NSPE; ASTME; SAE.  
BENANIDES, FRANCISCO CIVIL ENG  
Lima, Peru  
Fifty-niners; ASCE.  
BERGER, DEAN A. MET ENG  
St. Louis, Mo.  
Pi Kappa Alpha, Vice-President, Pledge-  
master; AFS; Met Society; Gamma Alpha  
Delta; Newman Student Union Committee.  
BEST, RICHARD DALE COMP SCI  
Dixon, Mo.

BEYER, JOHN R. MATH  
Chicago Hts., Illinois  
Campus Club; Intercollegiate Knights, Pledge  
Trainer; Phi Eta Sigma, Secretary; Kappa  
Mu Epsilon; Thomas Jefferson Assoc., Sec-  
retary; UMR Honor Award.  
BHATT, PRAMOD J. CIVIL ENG  
Surat, India  
ASCE; India Association.  
BIGLEY, DENIS GEORGE ELECT ENG  
St. Louis, Mo.  
MRHA; GDI; SAE.  
BIRK, DOUGLAS G. ENG MGT  
Kirkwood, Mo.  
BISHOP, WILLIAM RHODES MECH ENG  
Lebanon, Mo.  
Sigma Pi; AUSA.  
BLACK, PAUL DEAN CIVIL ENG  
Springfield, Mo.  
MRHA; ASCE; Tau Beta Pi; Phi Eta Sigma;  
Chi Epsilon, Vice-President, Secretary; Phi  
Kappa Phi; Honor List.  
BLANKENSHIP, KENNETH D. MET ENG  
Lebanon, Mo.  
Pi Kappa Alpha; AFS; Met Society; AIAA;  
Circle K; St. Pat's Board; College Young  
Republicans.  
BLANKENSHIP, MICHAEL E. MECH ENG  
Marion, Illinois  
Independents; GDI; SAE; BSU.  
BLEVINS, RICHARD R., II CHEM ENG  
Carl Junction, Mo.  
GDI; Thomas Jefferson Assoc.; AICHe; SAE  
Wesley Foundation; Rollamo, Photographer;  
Curator's Award; Honors List; UMR-ROTC  
Band.  
BOCEK, JOHN R. CIVIL ENG  
Poplar Bluff, Mo.  
Engineers; ASCE; MSPE; NSPE; Chi Epsi-  
lon; Dean's List; Progressive Club Scholar-  
ship; Curator's Award.  
BOETTCHER, GREG MECH ENG  
Palmyra, Mo.  
Shamrock; GDI; SAE; Curator's Award;  
Honor List.  
BOPP, SANDRA LEE MATH  
St. Clair, Mo.  
BOOTH, TERENCE MATH  
Clinton, Mo.  
Shamrock; Curator's Scholarship; Honor  
List.  
BORGMEYER, JAMES D. MECH ENG  
St. Louis, Mo.  
MRHA; ASME; ASTME; Tau Beta Pi; Pi Tau  
Sigma, Treasurer, Vice-President; Phi Eta  
Sigma; Newman Club; Caterpillar Tractor  
Co. Scholarship; Dean's Honor List;  
Intramurals.  
BOSCHERT, TERRY J. MECH ENG  
Overland, Mo.  
Phi Kappa Theta; SAE.  
BOWIN, MARTIN GARDNER MECH ENG  
Memphis, Tenn.  
GDI; AIAA; SAE; Intercollegiate Knights,  
President, Vice-President, Pledge-trainer;  
APO; M-Club; Theta Tau; Pi Tau Sigma; Blue  
Key; Phi Eta Sigma, Historian; Student Coun-  
cil, Secretary; Student Union Committee;  
Who's Who; Dean's List; AUSA Freshman





Cadet Award; Varsity Track; Student Discipline Panel.  
**BOYD, AUSTIN DWANY** CHEM ENG  
 Houston, Mo.  
 Shamrock; GDI; AICHE; AUSA; Raiders.  
**BRACHER, DONALD D.** ELECT ENG  
 Appleton City, Mo.  
 Prospector's.  
**BRANDT, BARRY JAY** MET ENG  
 St. Louis, Mo.  
 Pi Kappa Alpha; President; AIAA; AFS; President; Secretary-Treasurer; ANE; ACS; Met Society; Circle K; Theta Tau; M-Club; FEF Scholarship; Varsity Track.  
**BRANHAM, JOHN E.** CIVIL ENG  
 Neosho, Mo.  
 Campus Club; President; GDI; ASCE; NSPE; Theta tau; Blue Key; Scabbard and Blade; Vice-President; Student Council; Treasurer; InterCoop Council; Dean's Honor List.  
**BRANNON, GORDON DALE** CHEM ENG  
 Parma, Mo.  
 AICHE; Honor List.  
**BRANUM, LLOYD BENNETT** PET ENG  
 Hornersville, Mo.  
 Lambda Chi Alpha; SAE; SPE; AIME; Intercollegiate Knights; Dean's List.  
**BRAY, MICHAEL E.** MECH ENG  
 Kansas City, Mo.  
 ASME; SAE; Pi Tau Sigma; Tau Beta Pi; Secretary; Rugby Club.  
**BREDENKAMP, KATHLEEN** COMP SCI  
 St. Louis, Mo.  
 Newman.  
**BREEDEN, JAMES DARYL** MECH ENG  
 Fenton, Mo.  
 Independents; MRHA; Program Director and Station Manager KMFA; ASME; SAE; Intramurals.  
**BREITENBACH, RICHARD L.** ENG MGT  
 St. Louis, Mo.  
 Beta Sigma Psi; Vice-President; IEEE; ASME; SAE.  
**BRINKER, MARVIN JOSEPH** MECH ENG  
 Washington, Mo.  
 Fifty-niners; GDI; ASME; Pi Tau Sigma; Tau Beta Pi; Intercollegiate Knights; Curator's Scholarship; First Honor Roll.  
**BROMLEY, WILLIAM H., III** CHEM ENG  
 Ladue, Mo.  
 GDI; AICHE; Newman.  
**BRONSON, BRENDA L.** CHEM ENG  
 Independence, Mo.  
 GDI; AICHE; Secretary; SWE; President; Wesley Foundation.  
**BROWN, ROBERT ARTHUR** ELECT ENG  
 Joplin, Mo.  
 Prospector's; IEEE; Eta Kappa Nu; Phi Kappa Phi; Curator's Award.  
**BROWN, ROBERT G., JR.** ELECT ENG  
 St. Louis, Mo.  
 Phi Kappa Theta; Honor List; Varsity Basketball.  
**BROWN, ROBERT L.** ELECT ENG  
 St. Louis, Mo.  
 Fifty-niners; GDI; Rifle Team.

**BROWN, RONALD D.** ELECT ENG  
 Hillsboro, Illinois  
 Shamrock; IEEE; Eta Kappa Nu; Honor List.  
**BROWN, WILLIS L.** MATH  
 St. Louis, Mo.  
 Fifty-niners; GDI; St. Pat's Board.  
**BROWNE, KEITH H.** MECH ENG  
 Independence, Mo.  
 Fifty-niners; AIAA; M-Club; Vice-President; Pi Tau Sigma; Honor List.  
**BRSLIK, WILLIAM A.** GEOPHYSICS  
 Alfton, Mo.  
 Campus Club; GDI; C. L. Dake Society; Sigma Gamma Epsilon; Dean's List; First Honor Roll; V. H. McNutt Scholarship.  
**BRYANT, DAVID** ELECT ENG  
 St. Joseph, Mo.  
 Tech Club; Eta Kappa Nu.  
**BRYANT, RICHARD OATH** ELECT ENG  
 St. Louis, Mo.  
 MRHA; SAE.  
**BUCK, MICHAEL L.** PET ENG  
 Robertsville, Mo.  
 Tech Club; GDI; SPE; Track.  
**BULLINGER, RODNEY G.** MECH ENG  
 Bloomfield, Mo.  
 SAE.  
**BURK, EARL** MECH ENG  
 Aurora, Mo.  
 Shamrock; SAE; Honor List; Curator's Award.  
**BURNS, MILTON** ENG MGT  
 Independence, Mo.  
 Engineer's; GDI; Honor List.  
**BURNS, ROBERT L.** MECH ENG  
 St. Louis, Mo.  
 Theta Chi; President; Vice-President, Pledge Marshall; ASME; ASTM; St. Pat's Board; Student Council.  
**BURZEN, DON N.** MECH ENG  
 Florissant, Mo.  
 Sigma Tau Gamma; Treasurer; AIP; SAE; Alpha Phi Omega; Pi Tau Sigma; IFC; First Honors.  
**BUTLER, JAMES R.** ENG MGT  
 Charleston, Mo.  
 Shamrock; IEEE; AMA; Newman.  
**BUTTERFIELD, DAVID A.** MET ENG  
 Peoria, Illinois  
 Lambda Chi Alpha; Met Society; Nuclear Engr. Society; President; Treasurer; Circle K; Treasurer; Alpha Sigma Mu; Sigma Gamma Epsilon; Foundry Educational Foundation Scholarship; Caterpillar Tractor Co. Scholarship.  
**BYBEE, EUGENE CLAUDE** MECH ENG  
 Preston, Mo.  
 Campus Club; SAE; Pi Tau Sigma.  
**BYERS, CHARLES ELLIS** CIVIL ENG  
 East St. Louis, Illinois  
 Fifty-niners.

**C**  
**CALFEE, KAREN S.** RUSSIAN  
 Dayton, Ohio  
 Student Union Board Social Director; Rus-

sian Club; President. Vice-President. Secretary.  
**CALTON, LYNN B.** CIVIL ENG  
 Lamar, Mo.  
 ASCE; NSPE; Honor Roll.  
**CAMPANELLI, THOMAS** ELECT ENG  
 Springfield, Mo.  
 IEEE; Eta Kappa Nu; Tau Beta Pi; Honor List.  
**CAMPEN, RICHARD A.** MECH ENG  
 Montgomery, Illinois  
 Delta Tau Delta; SAE; Honor List.  
**CANON, RONALD MARTIN** CHEM ENG  
 Paducah, Kentucky  
 AICHE; Tau Beta Pi; Phi Kappa Phi; Alcoa Foundation Scholarship; University Scholar; First Honor Roll.  
**CANTELO, TONY MICHAEL** CIVIL ENG  
 Streator, Illinois  
**CARPENTER, DAVID** ENG MGT  
 Moberly, Mo.  
 Triangle.  
**CARROLL, RONALD L.** MECH ENG  
 Springfield, Illinois  
 Prospector's; GDI; ASME; Intercollegiate Knights; Pi Tau Sigma; National Merit Scholarship; University Curator's Scholar; Dean's List.  
**CARRON, MARK K.** ELECT ENG  
 St. Louis, Mo.  
 Fifty-niners; GDI; Intercollegiate Knights; Dean's List; Curator's Award.  
**CARTER, HAL E.** GEO ENG  
 St. Louis, Mo.  
 SEG; SAE; C. L. Dake Society.  
**CARTER, HOWARD L.** ELECT ENG  
 Kingsville, Mo.  
 Fifty-niners; GDI; IEEE.  
**CARTER, JOHN B.** CIVIL ENG  
 Jefferson City, Mo.  
 Fifty-niners; Independents; GDI; ASCE; Vice-President; Treasurer; MSPE; Intercollegiate Knights; Newman; Student Council; College Young Republicans; Honor List; Joe B. Butler Alumni Assoc. Scholarship.  
**CARTWRIGHT, AVA MARIE** HISTORY  
 Bourbon, Mo.  
**CASE, JAMES D., JR.** MECH ENG  
 Rolla, Mo.  
 ASME; SAE.  
**CASTEEL, CHARLES L.** CIVIL ENG  
 St. Joseph, Mo.  
 Alpha Phi Alpha; ASCE.  
**CANFIELD, DAN G.** CIVIL ENG  
 Rolla, Mo.  
 Shamrock; Honor List.  
**CHAPMAN, RICHARD G.** CHEM ENG  
 Joplin, Mo.  
 Pi Kappa Alpha; AICHE; AIAA; SAE; Circle K; Alpha Chi Sigma; Rollamo; Student Union Committee; Student Council.  
**CHASTEN, DENNIS** MECH ENG  
 Ironton, Mo.  
 Tech Club; GDI; SAE; Student Council. Secretary; Curator's Award.  
**CHAUDHARY, SURESH** CIVIL ENG  
 Mazaffarpur, Bihar, India

Engineer's; ASCE; India Assoc.; International Fellowship.  
**CHEEK, MICHAEL R.** ELECT ENG  
 Bolivar, Mo.  
 MRHA; IEEE; Newman; Student Council; Raiders; AUSA.  
**CHRISTANELL, ROBERT C.** ENG MGT  
 St. Louis, Mo.  
 Pi Kappa Alpha; Management Society; Treasurer; ASTM; Treasurer; AIAA; Student Union Committee.  
**CIMN, GREG** ELECT ENG  
 Benton, Illinois  
 Campus Club; GDI; IEEE.  
**CLARK, LOUIS G., JR.** COMP SCI  
 Berkeley, Mo.  
 Engineers; ACM; President; Intercollegiate Knights; Honor List.  
**CLEMONS, ROGER** CIVIL ENG  
 Kearney, Mo.  
 MRHA; President; GDI; Treasurer. Vice-President; Independent Man of the Year; Chr. Independent's Weekend; ASCE; Student Council; College Young Republicans.  
**CLICK, JAMES LYNN** ENG MGT  
 West Plains, Mo.  
 MRHA; GDI; Kappa Kappa Psi, President; Vice-President; Science Fair Scholarship; Student Council Scholarship; UMR Band.  
**CLINKINGBEARD, TERRY A.** ELECT ENG  
 St. Louis, Mo.  
 IEEE; BSU; KMSM-FM Radio Station; Curator's Award; Honor List.  
**COATS, MICHAEL DENNIS** MECH ENG  
 St. Louis, Mo.  
 Campus Club; SAE.  
**COLE, GREGORY M.** CIVIL ENG  
 Kansas City, Mo.  
 Shamrock; GDI; ASCE.  
**CONRAD, MARK** CHEM ENG  
 Joplin, Mo.  
 Theta Xi; AICHE; Alpha Chi Sigma; St. Pat's Board; Rock Climbers; President; Raiders; Honor List.  
**CONROY, ROBERT L.** CIVIL ENG  
 Peculiar, Mo.  
 Tech Club; GDI.  
**CONSTANCE, STEVEN J.** ENG MGT  
 Ballwin, Mo.  
 Tau Kappa Epsilon; International Honor History Award from Tau Kappa Epsilon International; IEEE; AIAA; AMA; AUSA; APO; Scabbard & Blade; Dean's List.  
**COOK, FRANK S., JR.** ELECT ENG  
 St. Louis, Mo.  
 MRHA; GDI; IEEE; Honor List.  
**CORBETT, TIMOTHY P.** MECH ENG  
 Ferguson, Mo.  
 Phi Kappa Theta; ASME; MSPE; APO, President; Rollamo; Miner; Hermes; Interservice Council; Student Union Board; Curator's Award; Oil Men's Assoc. of St. Louis Scholarship.  
**COSTELLO, RAYMOND, JR.** CHEM ENG  
 St. Louis, Mo.  
 MRHA; AICHE; Alpha Chi Sigma; Soccer Club.





COTTER, JOHN CIVIL ENG  
Brookfield, Mo.  
Prospectors: ASCE; EIT; ICC, Vice-President.  
COULTER, JOHN ELECT ENG  
Washington, Mo.  
Shamrock: GDI: Second Honors List.  
COULTER, DANIEL G. ELECT ENG  
Kansas City, Mo.  
Campus Club: IEEE; Newman.  
COX, RICHARD D. MECH ENG  
Ozark, Mo.  
Delta Sigma Phi; ASME; SAE; Treasurer;  
ASPE; Honor List.  
CRABTREE, FRED N. MECH ENG  
Neosho, Mo.  
Engineers: GDI; SAE; Pi Tau Sigma; Curator's Award; Honor List.  
CRAIG, MICKEY H. MECH ENG  
Springfield, Illinois  
Kappa Alpha; ASME; NSPE; SAE; St. Pat's Board; Varsity Wrestling.  
CRAIN, DANNY LEE CIVIL ENG  
Johnston City, Illinois  
Engineers: Prospectors; ASCE; Chi Epsilon; BSU; Dean's List.  
CRANDELL, GEORGE R. MECH ENG  
St. Louis, Mo.  
Campus Club; Curator's Award.  
CRANE, GREGG R. ELECT ENG  
Kansas City, Mo.  
Fifty-niners.  
CRANGLE, JOHN WINSTON MATH  
St. Louis, Mo.  
Tech Club; GDI; Photo Club.  
CRANMER, ROBERT M. MECH ENG  
Ellisville, Mo.  
Delta Tau Delta, Secretary, Vice-President; SAE; Alpha Phi Omega, Secretary, Treasurer, Vice-President; Theta Tau; Wesley Foundation; Hermes; IFC; Curator's Award.  
CRIPPS, MICHAEL ELECT ENG  
St. Louis, Mo.  
Shamrock: IEEE.  
CRISSUP, DAVID ALLEN ELECT ENG  
Lamar, Mo.  
Campus Club; GDI; Independents: IEEE.  
CURD, WILLIAM H., JR. ELECT ENG  
St. Joseph, Mo.  
MRHA, Governor; IEEE; ACM; NSPE; Eta Kappa Nu; Kappa Mu Epsilon; BSU; KMSM-FM; Radio Club, Treasurer; Curator's Scholarship; Honor Roll.

## D

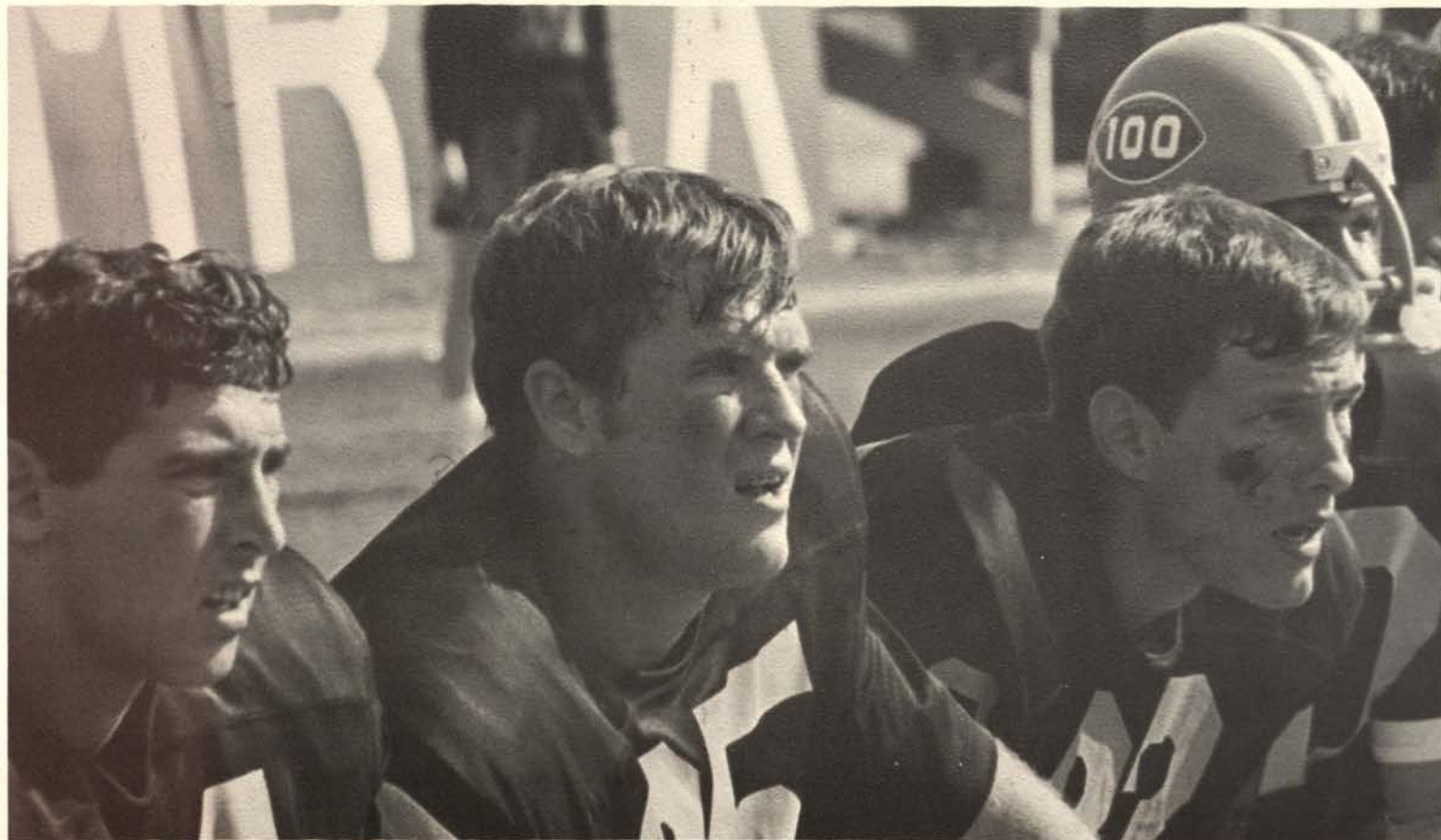
DACE, RONALD KIETH ELECT ENG  
Alma, Illinois  
DAHLSTROM, DAVID W. MECH ENG  
Homewood, Illinois  
Fifty-niners; SAE; ASME; Honor Roll.  
DAME, JERRY LYNN CIVIL ENG  
Sesser, Illinois  
Prospectors; ASCE.  
DARABI, FARHANG A. CHEM ENG  
Tehran, Iran  
Shamrock: AICHe; Bahai Club; Iranian Student Association, Honor List.

DARR, ROBERT JOSEPH CIVIL ENG  
Jerseyville, Illinois  
Sigma Pi; ASCE; SAE.  
DAVIDSON, KENTON T. ELECT ENG  
Independence, Mo.  
Fifty-niners.  
DAVIDSON, PATRICK G. MECH ENG  
Rolla, Mo.  
GDI; SAE; Treasurer; AIAA; Tau Beta Pi, Treasurer; Pi Tau Sigma; Sigma Xi; Phi Kappa Phi; Newman; Miner; Student Council; Spelunker's; Curator's Scholarship Dean's List.  
DAVIS, ROBERT L. MECH ENG  
Kansas City, Mo.  
Alpha Phi Alpha; ASME; SAE; APO; Curator's Award.  
DAVIS, RONALD DEAN MECH ENG  
Fredericktown, Mo.  
MRHA; GDI; ASME; AIAA; SAE; Curator's Award.  
DAVISSON, DAVID C. PHYSICS  
Normandy, Mo.  
Prospectors; SPS; Kappa Mu Epsilon; Sigma Pi Sigma.  
DAY, JOYCE L. CHEM  
Ferguson, Mo.  
ACS; SWE; BSU; Student Union Committee; Psychology Club; Schrenk Society; Dean's List; Curator's Award.  
DEAN, LARRY J. ELECT ENG  
Florissant, Mo.  
GDI; MRHA; NSPE; IEEE.  
DEGEN, GERALD DUBOIS, JR. ELECT ENG  
Ft. Lauderdale, Florida  
MRHA; GDI.  
DELANGE, RICHARD W. MECH ENG  
Springfield, Mo.  
Kappa Alpha; ASME; NSPE.  
DELAY, RUSSELL G. CIVIL ENG  
Advance, Mo.  
Shamrock: ASCE; Chi Epsilon.  
DENLOW, ISRAEL CER ENG  
University City, Mo.  
Alpha Epsilon Pi, President, Treasurer; ACS; IK; APO, Treasurer; Keramos, Secretary; Tau Beta Pi; Honor Award; Dean's List.  
DENNIS, ROBERT ALLEN CHEM ENG  
Madisonville, Kentucky  
Campus Club.  
DIETRICH, RANDALL G. ELECT ENG  
Festus, Mo.  
Honor List.  
DIPPEL, HENRY C. ELECT ENG  
St. Louis, Mo.  
MRHA; GDI, Treasurer; IEEE.  
DITCH, DENNIS W. ENG MGT  
Kankakee, Illinois  
GDI.  
DIXON, GARY L. CHEM ENG  
Medway, Ohio  
DOCKERY, CHARLES ELLIS PET ENG  
Sparta, Illinois  
AIME; SPE; AUSA; SPE, Secretary.  
DOERING, FRANK JOSEPH CHEM ENG  
St. Louis, Mo.

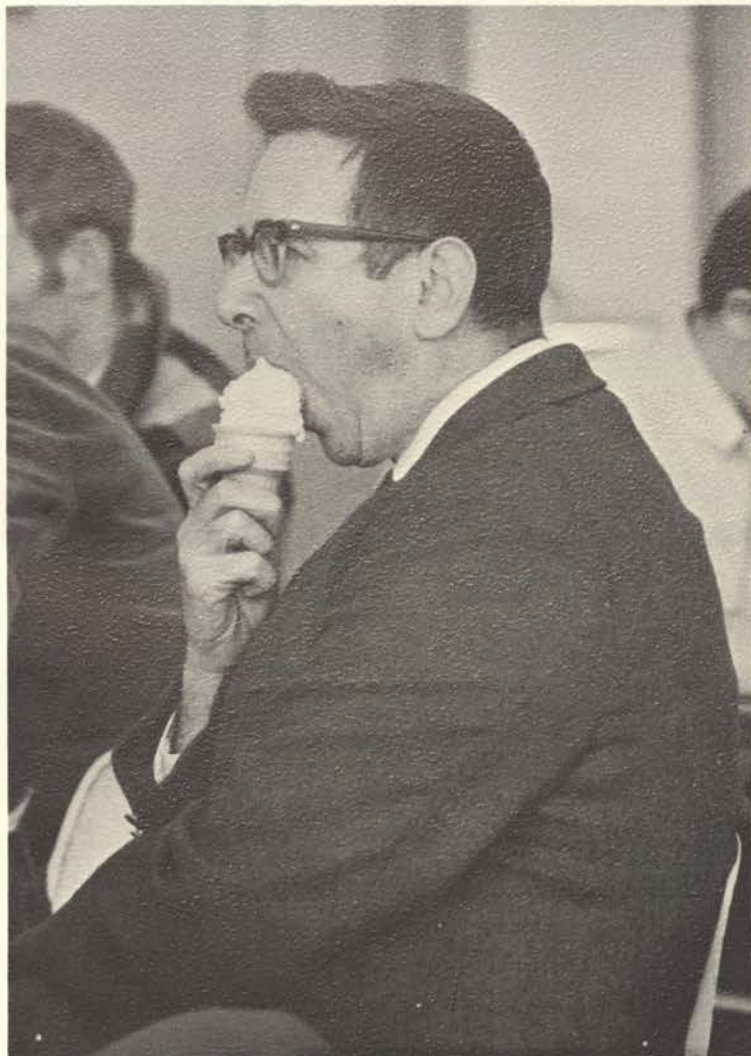
Sigma Tau Gamma, Treasurer; AICHe; MSPE; APO; IK; Alpha Chi Sigma; Newman; Student Union Board; First Honors.  
DOERR, BILL ELECT ENG  
St. Louis, Mo.  
Shamrock: IEEE; Phi Eta Sigma; Eta Kappa Nu; Curator's Scholarship.  
DORROH, ROBERT F., III CIVIL ENG  
Red Bud, Illinois  
Shamrock; GDI; ASCE; NSPE.  
DREINHOFFER, LOUIS HENRY ELECT ENG  
Beaufort, Mo.  
IEEE; GDI.  
DUCHEK, LAWRENCE W. NUC MET  
Ballwin, Mo.  
Fifty-niners; GDI; ASM; AIME; ANS.  
DUCKWORTH, SAM J., JR. ELECT ENG  
Caruthersville, Mo.  
Fifty-niners; MRHA; Honor List; Curator's Scholarship.  
DUDZIK, BRUCE EDWARD CHEM ENG  
University City, Mo.  
Sigma Pi, Treasurer; AICHe; ACS.  
DUFF, MICHAEL P. CHEM ENG  
Valley Park, Mo.  
ASCE.  
DUFFNER, CARL GEORGE MECH ENG  
Farmer City, Illinois  
Campus Club; Rifle Team.  
DUGAN, MICHAEL CHEM ENG  
Festus, Mo.  
Shamrock: GDI; AICHe.  
DULATT, PATRICK M. ELECT ENG  
Florissant, Mo.  
Prospectors; GDI; IEEE; Dean's List.  
DUNCAN, KENNETH ELECT ENG  
Joplin, Mo.  
Prospectors; Newman.  
DUNKILLO, PETER ALEX MECH ENG  
Charlottesville, Pennsylvania  
Delta Tau Delta, Secretary; SAE; Pi Tau Sigma; Tau Beta Pi; IFC; Pittsburgh Higher Education Agency Scholarship.  
DUNNVATANACHIT, SURIN ELECT ENG  
Bangkok, Thailand  
Engineers: IEEE; NSPE; Phi Eta Sigma; Eta Kappa Nu; Tau Beta Pi; Esperanto; International Fellowship, President, Vice-President; Treasurer; First Honor List.  
DUNNING, ERIC DALE ENG MGT  
Manchester, Mo.  
Tau Kappa Epsilon, Vice-President, Pledge Trainer, Treasurer, Secretary; ASME; AIAA; AMA, Vice-President; Alpha Phi Omega; Theta Tau; Blue Key; St. Pat's Board, President; Rugby Club, Vice-President, Secretary; First and Second Honors; Who's Who.  
DURESKY, BERNARD J., JR. MECH ENG  
Berea, Ohio  
Kappa Alpha; SAE; ASME; APO; Intercollegiate Knights; Newman.  
DURHAM, VERNON HOWARD AERO ENG  
Independence, Mo.  
Campus Club; AIAA; NSPE; First Honors List.

## E

EDWARDS, ROBERT TERRY ENG MGT  
Kansas City, Mo.  
Fifty-niners; GDI; SAE; AMA; ICC, President, Vice-President, Treasurer.  
EATON, THOMAS ELDON MECH ENG  
Arcadia, Mo.  
Tech Club; Independents; ASME; ANS, Treasurer; NSPE; SPS; Pi Tau Sigma, Secretary; Sigma Pi Sigma, Vice-President; Tau Beta Pi; Esperanto, Vice-President; First Honors; Dearing Scholarship.  
EDWARDS, W. DANIEL MATH  
Belleville, Illinois  
Engineers.  
EDWARDS, DAVID LEE ELECT ENG  
St. Louis, Mo.  
Delta Sigma Phi; IEEE.  
EFFTHIM, ANDREW P., JR. PET ENG  
St. Louis, Mo.  
Pi Kappa Alpha; AIAA; AIME; SPE, President; APO; Pi Eta Tau; Rollamo; Curator's Award; Continental Oil Co. Scholarship.  
EHLMANN, BRYON K. COMP SCI  
St. Charles, Mo.  
MRHA; ACM; Phi Eta Sigma; Dean's List.  
EILER, STANLEY HARRIS CIVIL ENG  
St. Louis, Mo.  
Alpha Epsilon Pi; ASCE; MSPE; St. Pat's Board; Honor Roll.  
EISTERHOLD, CHARLES A. ELECT ENG  
Freeburg, Mo.  
Tech Club; GDI.  
ELFRINK, MARY ANTHONY MECH ENG  
Advance, Mo.  
Sigma Tau Gamma; ASME; IK; AUSA; Pi Tau Sigma; Scabbard & Blade; Newman; Honor List; Distinguished Military Student.  
ENKE, DARYL D. ELECT ENG  
Bunker Hill, Illinois  
MRHA, Treasurer; IEEE; Tau Beta Pi; Eta Kappa Nu; Phi Eta Sigma, Secretary; Dean's List.  
EOFF, ROBERT J. CER  
Dittmer, Mo.  
Fifty-niners; ACS.  
ERLBACHER, ROBERT W., II MECH ENG  
Cape Girardeau, Mo.  
Pi Kappa Alpha; ASME; College Young Republicans.  
ETHRIDGE, MAX MICHAEL CIVIL ENG  
Aurora, Mo.  
Fifty-niners; Independents; ASCE; MSPE; Phi Eta Sigma; Tau Beta Pi; Chi Epsilon; Student Union Board Committee; Student Academic Affairs Committee; MSPE Scholarship; Curator's Award; Enoch R. Needles Scholarship; First Honor Roll; University Scholar.  
ETZENHOUSER, ROCKY D. MET  
Independence, Mo.  
Prospectors; GDI; ASM; AFS.  
EVANS, JAMES J. MECH ENG  
Ferguson, Mo.  
Sigma Tau Gamma; ASME; ASHRAE; APO;







Young Republicans.  
EVANS, JOHN W., JR. MATH  
New York City, New York  
Theta Xi, Treasurer, Secretary: ORSA;  
NEW; AIP; AUSA; Gamma Alpha Delta;  
Scabbard & Blade; Raiders; New York State  
Regents Scholarship; Distinguished Military  
Student; Dean's List.  
EYERKUSS, RONALD ELECT ENG  
St. Louis, Mo.  
MRHA.  
EYLER, DAVID ALLEN ELECT ENG  
St. Louis, Mo.  
Theta Xi, Secretary; Intramurals.

## F

FAHEY, BERNARD CIVIL ENG  
Belleville, Illinois  
Chi Epsilon; Tau Beta Pi.  
FARLEY, MICHAEL L. CHEM ENG  
St. Louis, Mo.  
AICHe.  
FEAGER, JOE ARTHUR CIVIL ENG  
Eureka, Mo.  
Prospectors; GDI; ASCE; Honor List.  
FENNEDY, BRUCE EDWIN ELECT ENG  
Troy, Mo.  
Engineers; GDI; Intercollegiate Knights; Eta  
Kappa Nu.  
FENTON, GARY E. MECH ENG  
Tipton, Mo.  
Shamrock; Pi Tau Sigma; InterVarsity  
Christian Fellowship, President.  
FEURER, JOHN MECH ENG  
Freeburg, Illinois  
Fifty-niners; AIAA; Karate Club, Treasurer.  
FIELDS, EDWIN ENG MGT  
Lebanon, Mo.  
Kappa Alpha; IEEE; AMA; Honor List.  
FILGER, DENNIS CHEM  
Kansas City, Mo.  
Engineers; GDI; Kappa Mu Epsilon; St.  
Pat's Board; Dean's List.  
FINDLEY, CHARLES R. MECH ENG  
Joplin, Mo.  
FINNEGAN, JERREY D. MECH ENG  
Webster Groves, Mo.  
Fifty-niners; Kappa Kappa Psi, Vice-Pres-  
ident.  
FISCHER, RICHARD K. CIVIL ENG  
St. Louis, Mo.  
Kappa Alpha, Vice-President; ASCE.  
FLETCHER, ROBERT A. CHEM  
St. Louis, Mo.  
Campus Club.  
FLICK, ROBERT M. PHYSICS  
Carrollton, Mo.  
SPS; Kappa Mu Epsilon; Sigma Pi Sigma.

FLOWERS, DANIEL H. CIVIL ENG  
St. Louis, Mo.  
Alpha Phi Alpha; MRHA; ASCE; BSU.  
FLUEGGE, RONALD MARVIN NUC ENG  
Jackson, Mo.  
Shamrock; Independents; NSPE; ANS. Pres-  
ident; AIP; Phi Eta Sigma; Tau Beta Pi; Gen-  
eral Motors Scholarship; Honor List; Uni-  
versity Scholarship; Curator's Award;  
Curator's Scholarship.  
FOGLE, DAVID MATH  
Aurora, Mo.  
Prospectors; GDI; IK; Scabbard & Blade;  
Curator's Award; Honor List.  
FORBECK, JAMES ELECT ENG  
Old Monroe, Mo.  
Engineers; IEEE; SAE; Newman.  
FOX, JAMES L. MECH ENG  
Ferguson, Mo.  
GDI; SAE; ASME; Newman; Honor List.  
FOX, RAYMOND L. ELECT ENG  
West Plains, Mo.  
IEEE.  
FRANKENFELD, D. JAY CIVIL ENG  
Springfield, Mo.  
Kappa Alpha, Treasurer, Secretary; ASCE;  
Gamma Alpha Delta; Circle K; Chi Epsilon;  
Tau Beta Pi; Intercollegiate Knights; Dean's  
List.  
FRANKFORTH, DONALD ELECT ENG  
Kansas City, Mo.  
Engineers; IEEE.  
FREDERICK, DENNIS M. PHYSICS  
St. Louis, Mo.  
MRHA; AIP; Honor List.  
FRESE, KARL CIVIL ENG  
Festus, Mo.  
FRIESE, MICHAEL M. CIVIL ENG  
Cape Girardeau, Mo.  
ASCE; Honor List.  
FRIMEL, ROBERT LEE MECH ENG  
Olin, Illinois  
SAE; ASME.  
FRISBEE, THOMAS G. ENG MGT  
St. Louis, Mo.  
Pi Kappa Alpha, Vice-President; Treasurer,  
Secretary; AIAA; IEEE; UMR Management  
Society; CYR; IFC; Varsity Baseball.  
FROST, JAMES B. ENG MGT  
Anna, Illinois  
Engineers; GDI; SAE; ASME; Band.  
FRY, TIMOTHY R. CIVIL ENG  
Centralia, Mo.  
Kappa Alpha; ASCE; MSPE; Newman; Miner.  
FULLBRIGHT, JAMES L. ELECT ENG  
Cape Girardeau, Mo.  
Fifty-niners; IEEE; Tau Beta Pi; Phi Kappa  
Phi; Eta Kappa Nu; Honor List; Curator's  
Award.

FURRY, JAMES L.  
Elvins, Mo.  
SAE.

## G

GADDY, SIDNEY W. AERO ENG  
Anadarko, Oklahoma  
AIAA; ROTC Scholarship.  
GARDNER, STEVEN M. MECH ENG  
Ballwin, Mo.  
Lambda Chi Alpha, Vice-President; ASME.  
Vice-President; NSPE, Vice-President, Sec-  
retary; SAE; AFS; ANS; APO, Treasurer;  
GAD, President, Circle K; Blue Key; Debate  
Team, President, Secretary; Honor List;  
FEF Scholarship; Curator's Scholarship.  
GARNETT, DENNIS L. MINING ENG  
Raytown, Mo.  
Prospectors; AIME; NSPE; Student Union  
Board, Treasurer; Pershing Rifles, Vice-  
President.  
GARRETT, JACK T., JR. CIVIL ENG  
Kirkwood, Mo.  
GDI; ASCE; Chi Epsilon.  
GARRISON, EDWIN J. GEOLOGY  
Fieldon, Illinois  
Speological Survey, Treasurer; Spelunkers,  
Vice-President; C. L. Dake Society.  
GAUS, RONALD C. CER ENG  
Kirkwood, Mo.  
MRHA; ACS, Treasurer.  
GEERS, JAMES R. ELECT ENG  
Springfield, Mo.  
GERDES, RONALD GEORGE ELECT ENG  
St. Louis, Mo.  
Shamrock; GDI; IEEE; Eta Kappa Nu; Tau  
Beta Pi; Curator's Award; First Honor Roll.  
GERLITZ, GARY WAYNE CIVIL ENG  
Alton, Mo.  
Kappa Alpha; ASCE.  
GIBSON, ROBERT K. MECH ENG  
Laquey, Mo.  
Acacia; SAE.  
GIELOW, KENNETH DALE MET ENG  
Red Bud, Illinois  
Shamrock; GDI; ASCE; AFS; ASM; Alpha  
Sigma Mu Vice-President, Pledge Master;  
Intercollegiate Knights; Tau Beta Pi; Dean's  
List; Honor List; Am. Foundry Ed. Founda-  
tion Scholarship.  
GILL, MICHAEL L. CIVIL ENG  
Grayville, Illinois  
ASCE.  
GILSTRAP, JESSE CIVIL ENG  
Manchester, Mo.  
MRHA, Secretary, Vice-President; GDI;  
ASCE; Chi Epsilon; Honor List.  
GIOIA, MARIO PAUL MECH ENG  
St. Louis, Mo.  
Pi Kappa Phi; SAE.  
GLICK, LINDA LEE MATH  
High Ridge, Mo.  
SWE, Secretary, Treasurer; Coeds, Russian  
Club.  
GLOVER, JAMES K., JR. MECH ENG  
Holden, Mo.  
Shamrock; GDI; ASME.  
GLYNN, MICHAEL MECH ENG  
St. Louis, Mo.  
Shamrock; NSPE.  
GOESSLING, JAMES R. MECH ENG  
Normandy, Mo.  
Engineers; GDI; SAE; SPE; Canterbury Club.  
GOTTSCALK, EDWARD MECH ENG  
Mehlville, Mo.  
MRHA; Pi Tau Sigma; Honor List.  
GRAW, JOHN DAVID CIVIL ENG  
Quincy, Illinois  
Phi Kappa Theta; ASCE; Newman.  
GREEN, ALLEN J. CIVIL ENG  
St. Louis, Mo.  
Prospectors; MRHA; GDI.  
GREEN, ERNIE E. CHEM ENG  
Clarkton, Mo.  
Prospectors; GDI; AICHe; ACS.  
GREEN, ROBERT M. MECH ENG  
Odessa, Mo.  
Engineers; MRHA; Independents; ASME;  
SAE; Intercollegiate Knights; Dean's List.  
GRIFFIN, RONALD DEE MECH ENG  
St. Louis, Mo.  
Shamrock; GDI; MRHA; ASME; Wesley.  
GRIMM, JOSEPH EDWARD MECH ENG  
Bellefontaine Neighbors, Mo.  
Sigma Phi Epsilon, Rush Chairman; SAE;  
ASME; ASARAE; APO.  
GROVES, DAVID MECH ENG  
Cameron, Mo.  
GUM, MICHAEL L. MECH ENG  
Alton, Mo.  
Tech Club.  
GUNN, WILLIAM HENRY, III HISTORY  
Cuba, Mo.  
GUTZLER, BRETT M. MECH ENG  
Centralia, Illinois  
Engineers; ASME; AIAA.

## H

HABEGGER, RONALD L. CIVIL ENG  
Florissant, Mo.  
Independents; MRHA; ASCE; NSPE.  
HAEFLE, PETER B. MECH ENG  
Troy, Pennsylvania  
Engineers; Independents; GDI; ASTM; SAE;  
First Honor List.  
HAHN, JOSEPH K. PET ENG  
St. Louis, Mo.  
Tech Club; GDI, Secretary; AIME; SPE;  
Alpha Phi Omega; Student Council Repre-  
sentative; Curator's Award.  
HAHN, MICHAEL R. MECH ENG  
St. Louis, Mo.

Phi Kappa Theta; Hermes; Curator's Schol-  
arship; Varsity Baseball.  
HAILEY, JOHN L. GEOLOGY  
St. Louis, Mo.  
Fifty-niners; Independents; C. L. Dake; New-  
man; MSM Spelunkers.  
HALL, GARY F. AERO ENG  
Kearney, Mo.  
MRHA; AIAA.  
HAMMANN, KENNETH KARL MET ENG  
Webster Groves, Mo.  
Delta Tau Delta, Secretary; AFS; ANS; Alpha  
Sigma Mu; FEF Scholarship.  
HAMMOND, MOHAMMED CIVIL ENG  
Naameh, Damour, Lebanon  
MRHA; GDI; ASCE; NSPE; OAS.  
HAMNER, P. GARY MECH ENG  
Osage Beach, Mo.  
MRHA; AIAA; ASHRAE; Tau Beta Pi, Pres-  
ident; Pi Tau Sigma, President, Secretary;  
Phi Kappa Phi; Phi Eta Sigma; Curator's  
Scholarship; Monsanto Co. Scholarship; Cat-  
erpillar Co. Scholarship; University Scholar;  
Honor Award; Dean's List; Mueller Co.  
Award in M.E.; First Honors Award.  
HAMPEL, RONALD C. CIVIL ENG  
Rolla, Mo.  
Beta Sigma Psi; ASCE.  
HANCOCK, STEPHEN HAROLD CHEM ENG  
Kennett, Mo.  
Independents, MRHA; GDI; AICHe; John M.  
Dalton Educational Trust Scholarship.  
HANKINS, DAVID ROSS ELECT ENG  
Joplin, Mo.  
IEEE; Karate Club.  
HASSELFELD, DALE E. MECH ENG  
St. Louis, Mo.  
Shamrock; Independents; SAE; Pi Tau Sigma;  
Student Union Committee; Photo Club,  
President.  
HARDWICK, DAVID R. MECH ENG  
Alton, Illinois  
Fifty-niners; GDI; SAE; ASME; BSU,  
Treasurer.  
HARDWICK, JOHN ROBERT CIVIL ENG  
Newton, Illinois  
Shamrock; GDI; ASCE; Wesley.  
HARDY, GERALD D. MECH ENG  
Troy, Mo.  
Engineers; MRHA; SAE; Intercollegi-  
ate Knights; Phi Eta Sigma; Pi Tau Sigma;  
Tau Beta Pi; UCCF; Interfaith Council,  
Treasurer, Vice-President; Raiders; PMS  
Freshman Award; Curator's Scholarship and  
Awards; Honor List.  
HARMS, TERRY E. ENG MGT  
Kansas City, Mo.  
Independents; BSU; Interfaith Council.  
HARRIS, MICHAEL DODGE CIVIL ENG  
Paducah, Kentucky  
ASCE; Chi Epsilon.  
HART, ROBERT L. CER ENG  
Neosho, Mo.  
Prospectors; Independents, AICHe; ASC.  
Vice-President; Keramos; Curator's Award;  
Honor List.  
HARTMANN, SANDRA R. COMP SCI  
St. Louis, Mo.  
Women's Residence Organization, Vice-  
President; SWE, Secretary; ACM; KME,  
Secretary; Phi Kappa Phi; Outstanding  
Freshman Math Student; Dean's List.  
HARTWIG, LEONARD E. ELECT ENG  
Springfield, Illinois  
Phi Kappa Theta; St. Pat's Board.  
HATAYODOM, THOMTAVANIT ELECT ENG  
Bangkok, Thailand  
Buddhist.  
HAUENS, MARUIN CHEM ENG  
Mundelein, Illinois  
Sigma Pi; AICHe; Honor Roll.  
HAVENS, PHILLIP GEORGE CIVIL ENG  
Rolla, Mo.  
Independents; ASCE; BSU.  
HAWK, DEXTER W. ENG MGT  
Belleville, Illinois  
AMA; ASCE.  
HAYMAN, DENNIS GLENN ELECT ENG  
Lawrence, Indiana  
HAYS, JERRY D. CIVIL ENG  
Alton, Mo.  
ASCE.  
HEDLEY, QUINCE E. MATH  
Irondale, Mo.  
Intercollegiate Knights; Kappa Mu Epsilon;  
BSU.  
HEIEN, RICHARD CIVIL ENG  
Collinsville, Illinois  
Triangle.  
HEIMSOOTH, MELVIN MICHAEL COMPS CI  
Cole Camp, Mo.  
Engineers; Gamma Delta, Vice-President;  
Pershing Rifles; AUSA.  
HEISSERER, LARRY D. CIVIL ENG  
Florissant, Mo.  
Campus Club; GDI; ASCE; SAE; Newman.  
HEITHAUS, KENNETH M. CIVIL ENG  
St. Louis, Mo.  
Fifty-niners; GDI; Karate Club.  
HEIZER, GARRY A. MECH ENG  
Red Bud, Illinois  
Shamrock Club; ASME; SAE; Phi Eta Sigma;  
Tau Beta Pi; Pi Tau Sigma; Old Ben Coal  
Corp. Scholarship; Honors List; University  
Scholar.  
HENCEY, STEPHEN D. MECH ENG  
Jefferson City, Mo.  
Independents; ASME; SAE.  
HENRY, RICHARD L. PET ENG  
Carl Junction, Mo.  
MRHA; AIME; SPE; Pi Epsilon Tau; Scab-  
bard and Blade; Tau Beta Pi; Honor List.





HERBISON, ROBERT G. COMP SCI  
St. Joseph, Mo.  
ACM: Kappa Mu Epsilon.  
HERMAN, STEPHEN JACK MECH ENG  
Denver, Colorado  
Sigma Nu; ASME; Pi Tau Sigma; Dean's List.  
HESS, DONALD A. AERO ENG  
Kirkwood, Mo.  
MRHA; GDI; AIAA.  
HEUERMAN, CHARLES A. COMP SCI  
Belleville, Illinois  
Pi Kappa Alpha; ACM; APO; Kappa Mu Epsilon; Honor List.  
HEYDT, R. T. MECH ENG  
St. Louis, Mo.  
ACHA.  
HIATT, WILLIAM E. ELECT ENG  
Sedalia, Mo.  
Fifty-niners; IEEE; Liahona. Vice-President; Secretary.  
HILL, WILLIAM ROBERT CHEM ENG  
Whittington, Illinois  
Campus Club; Thomas Jefferson Residence Hall, President; AICHE; IK; Alpha Chi Sigma; Scabbard and Blade; Student Council; Honor List.  
HIRNER, HERMAN RAY AERO ENG  
Hannibal, Mo.  
Engineer's Club; GDI; AIAA; Honor List.  
HOCKETT, MARK LYNN CIVIL ENG  
Kansas City, Mo.  
Campus Club; MRHA; GDI; ASCE; MSPE; Chi Epsilon; Curator's Award; Honor List.  
HOECKELMAN, LES MECH ENG  
Wentzville, Mo.  
MRHA; AIAA; ASME; NSPE; Newman; Honor Roll.  
HOENBERGER, FRED J. MET ENG  
St. Louis, Mo.  
Pi Kappa Alpha, President, Secretary; AFS, President, Secretary, Treasurer; AIAA; ISA; SAE; Circle K; President, Treasurer; Newman; Rollamo Board; Hermes, Business Manager; IFC; Who's Who; FEF Scholarship.  
HOLLIDAY, JAMES ALLEN MATH  
Murphysboro, Illinois  
Campus Club; GDI; Intercollegiate Knights; Kappa Mu Epsilon; Scabbard and Blade; Honor List; ROTC Scholarship.  
HOLLIGER, FRED L. CIVIL ENG  
Independence, Mo.  
Fifty-niners; ASCE; SPE; NSPE; Honor Roll; Curator's Award; Pet. Scholarship.  
HOLLINGSWORTH, JOHN HISTORY  
Rolla, Mo.  
HOLLRAH, DAVID F. CIVIL ENG  
Columbia, Mo.  
Fifty-niners; GDI; ASCE; NSPE, President; Gamma Delta, Vice-President.  
HOLT, ERIC M. CIVIL ENG  
Newburgh, New York  
Engineers; APCA; ASCE; SAE; Honor List.  
HOOVER, GERALD L. CHEM ENG  
Alton, Illinois  
AICHE; Alpha Chi Sigma.  
HORAN, EDWIN V., JR. MECH ENG  
St. Louis, Mo.  
Sigma Phi Epsilon; ASTME; IFC.  
HORKY, BRAD ELECT ENG  
Cape Girardeau, Mo.  
GDI; SAE; Eta Kappa Nu; Honor Roll.  
HORN, LARRY CIVIL ENG  
Independence, Mo.  
Engineers; ASCE; Chi Epsilon.  
HORNE, JAMES H. PET ENG  
Richland Center, Wisconsin  
Shamrock; SPE; Pi Sigma Tau, President;

Wesley, Treasurer; Interfaith Council, Secretary.  
HORSLEY, MICHAEL B. CIVIL ENG  
Kirkwood, Mo.  
Campus Club; ASCE; Honor List.  
HOUGHIN, RICHARD LEE CIVIL ENG  
Olney, Illinois  
Prospectors; ASCE.  
HOWE, DAVE CHEM ENG  
Irvington, Illinois  
AICHE.  
HOWELL, WILLIAM C. ELECT ENG  
Jasper, Mo.  
IEEE; Eta Kappa Nu.  
HUEBNER, CHARLES E. ELECT ENG  
Kirkwood, Mo.  
MRHA; GDI; Eta Kappa Nu; Tau Beta Pi; Phi Eta Sigma; Intercollegiate Knights; Pershing Rifles; Dean's List; Honor Award; Curator's Award; DMS.  
HUELSMAN, EDWARD L. ELECT ENG  
Springfield, Mo.  
IEEE.  
HUEY, DANNY D. AERO ENG  
Mascoutah, Illinois  
GDI; SAE; AIAA; Band.  
HUFF, DAVID A. MECH ENG  
Kansas City, Mo.  
MRHA; ASME; Pi Tau Sigma; Newman; DMS; First Honor List.  
HUSKISSON, WESLEY M. ELECT ENG  
Lexington, Mo.  
GDI; MRHA; Wesley.  
HUTCHERSON, DANE C. ELECT ENG  
Joplin, Mo.  
Campus Club; Independents; IEEE; MSPE.

## I

IRONS, THEODORE S. MECH ENG  
Moberly, Mo.  
Triangle.

## J

JACOBS, PHILIP W. CIVIL ENG  
Winchester, Illinois  
MRHA; GDI; ASCE; NSPE; Tau Beta Pi; Chi Epsilon.  
JAGGI, DENNIS MECH ENG  
Rolla, Mo.  
Second Honors; DMS.  
JANSEN, RAYMOND J. CIVIL ENG  
Illmo, Mo.  
Fifty-niners; ASCE; Chi Epsilon; Newman; Honor List.  
JARRETT, WILLIAM A. MECH ENG  
Brentwood, Mo.  
Shamrock; MRHA; SAE; Interfaith Council; Inter-Varsity Christian Fellowship, Secretary, President.  
JENKINS, C. R. ELECT ENG  
Rolla, Mo.  
IEEE; Tau Beta Pi; Eta Kappa Nu; Honor List.  
JENNINGS, TERRY LEE GEOLOGY  
St. Louis, Mo.  
Fifty-niners; GDI; AIME; Eta Tau Eta; C. L. Dake Society, President; Spelunkers; Honor List; V. H. McNutt Scholarship.  
JENSEN, GENE ENG MGT  
Jefferson City, Mo.  
GDI; SAE; AICHE; AMA; Dean's Honor List.  
JENSEN, PAUL E. CIVIL ENG  
Keytesville, Mo.  
ASCE; Chi Epsilon; Tau Beta Pi; Curator's Award; Honor Award.

JOENK, PAUL LEWIS PSYCHOLOGY  
Rolla, Mo.  
Phi Kappa Psi, Vice-President; Kiwanis; Psychology Club, Treasurer.  
JOHANNPETER, WALTER G. CIVIL ENG

St. Louis, Mo.  
Kappa Alpha; ASCE; Circle K; Raiders.  
JOHNSON, EDWIN LEE MECH ENG  
Fenton, Mo.  
Engineers; MRHA; ASME; SAE; KMFA, Station Manager.  
JOHNSON, ERIC ALAN PHYSICS  
Springfield, Mo.  
MRHA; AIP; AIAA; Intercollegiate Knights; Wesley; Spelunker's Curator's Award; Dean's List.  
JOHNSON, KENNETH WALKER MECH ENG

Millstadt, Illinois  
Shamrock; SAE, Vice-President; Karate Club.  
JOHNSON, RONALD WELLS MECH ENG  
St. Louis, Mo.  
Alpha Phi Alpha, President; Pi Tau Sigma; IFC; Varsity Track.  
JONES, DAVID BRYON MECH ENG  
St. Louis, Mo.  
Prospectors; SAE; ASHRAE; Second Honor List; Varsity Track.  
JONES, DAVID RAY CHEM ENG  
St. Louis, Mo.  
Tech Club; Independents; AICHE; M-Club; Varsity Track.  
JORDAN, ERNEST ELECT ENG  
Sullivan, Mo.  
Engineer's; IEEE; BSU; Curator's Scholarship.  
JORDAN, RICHARD F. MECH ENG  
St. Ann, Mo.  
Engineer's; NSPE; Honors List.  
JURGENSE, CARL A., JR. MGT  
Hannibal, Mo.

## K

KALBAC, RAYMOND L. CIVIL ENG  
St. Louis, Mo.  
Phi Kappa Theta; ASCE; APO; Circle K; Miner.  
KAMMERER, JOSEPH J. JR. CIVIL ENG  
St. Louis, Mo.  
Engineers; GDI; ASCE; ICCG.  
KAPLAN, MARK STEPHEN ELECT ENG  
St. Louis, Mo.  
Alpha Epsilon Pi; IEEE; MSPE; Honor List.  
KARGER, RONALD A. ELECT ENG  
East St. Louis, Illinois  
Shamrock; IEEE; Eta Kappa Nu; Intercollegiate Knights; Wesley; Student Council; Varsity Baseball.  
KATHMANN, STEPHEN J. MECH ENG  
Quincy, Illinois  
Thomas Jefferson, Treasurer; ASME; Pi Tau Sigma; Newman; First Honors; Curator's Scholarship.  
KEAN, WILLIAM ALAN MECH ENG  
Independence, Mo.  
MRHA; GDI; ASME; AIAA, SAE.  
KEELING, BILLY F. MECH ENG  
Waynesville, Mo.  
Acacia; Tech Club; GDI; SAE.  
KELLER, GARY W. ENG MGT  
Muskegon, Michigan  
Shamrock; AIAA; AMA; IEEE.  
KELLY, DAVID P. CIVIL ENG  
Webster Groves, Mo.

Shamrock; MRHA; GDI; ASCE; Rollamo Board.  
KELLY, KENTON DENHAM ELECT ENG  
Des Peres, Mo.  
Kappa Sigma; Circle K; Intercollegiate Knights; Eta Kappa Nu; Scabbard and Blade; Honor List.  
KEMP, RUSSELL W. COMP SCI  
Paducah, Kentucky  
Fifty-niners; MRHA; ACS; W. T. Schrenk Chemical Society; Honor List.  
KERNAN, THOMAS E. ELECT ENG  
Irondale, Mo.  
Fifty-niners; Independents; IEEE.  
KEMP, WAYNE R. GEOLOGY  
South Holland, Illinois  
Sigma Tau Epsilon, Treasurer; Phi Eta Sigma; C. L. Dake Geological Society, President; MSM Spelunker's Club; V. H. McNutt Scholarship.  
KEY, JOHN WILLIAM MECH ENG  
Desloge, Mo.  
ASME; SAE.  
KILPER, JOHN JOSEPH MECH ENG  
St. Louis, Mo.  
SAE; ASME.  
KILPER, RONALD ELECT ENG  
St. Louis, Mo.  
Thomas Jefferson; GDI; IEEE.  
KING, ALAN M. ELECT ENG  
Ottumwa, Iowa  
IEEE; Phi Eta Sigma.  
KING, DOUGLAS REED CIVIL ENG  
Raytown, Mo.  
Fifty-niners; ASCE.  
KIRKMAN, KENNETH W. MECH ENG  
East St. Louis, Illinois  
Tech Club; GDI; SAE; ASME.  
KIRMEYER, GREGORY J. CIVIL ENG  
St. Ann, Mo.  
Acacia; ASCE; Blue Key; Chi Epsilon; Student Council; Raiders; Honor List; Deans List.  
KISTNER, JIM D. ELECT ENG  
Springfield, Mo.  
Delta Sigma Phi; IEEE; SAE; NSPE.  
KITE, GEORGE NEAL CIVIL ENG  
Mt. Vernon, Illinois  
Prospectors; GDI; ASCE; St. Pat's Board.  
KLATT, MANFRED CIVIL ENG  
Upland, California  
Campus Club; ASCE.  
KLOSEK, RAYMOND R. MECH ENG  
Perth Amboy, New Jersey  
MRHA; AIAA; ASME; Honor List.  
KLUG, RICHARD MECH ENG  
St. Louis, Mo.  
Phi Kappa Theta; SAE.  
KLUMP, ROBERT P. ELECT ENG  
St. Louis, Mo.  
Shamrock; IEEE.  
KLUSMEYER, RICHARD A. CIVIL ENG  
Quincy, Illinois  
MRHA; GDI; MSPE; ASCE; NSPE; Chi Epsilon.  
KNUSSMANN, RICHARD WILLIAM MECH ENG  
St. Louis, Mo.  
GDI; SAE.  
KOCH, DON L. MECH ENG  
Red Bud, Illinois  
Shamrock; GDI; SAE; Honor List.  
KOCH, JAMES M. CHEMISTRY  
Altamont, Mo.  
Shamrock; GDI; W. T. Schrenk Chemical Society.  
KORTH, MICHAEL V. CIVIL ENG  
Liberty, Mo.  
Prospectors; Independents; ASCE; NSPE;



Chi Epsilon; Tau Beta Pi; Phi Kappa Phi; Enoch R. Needles Scholarship; Honor List; KOSTIC, DENNIS N. MINING ENG Monessen, Pennsylvania  
Sigma Tau Gamma, Vice-President; AIME; Alpha Phi Omega; IFC; Honor List; KOTYS, GREGORY S. MET ENG Monessen, Pennsylvania  
Sigma Tau Gamma, Vice-President; Met Society; Alpha Phi Omega; Theta Tau, Pledge President; St. Pat's Board. KRAMER, JOHN L. CIVIL ENG Jefferson City, Mo.  
GDI; NSPE; ASCE; Newman; First Honor Roll.  
KREBS, RICHARD E. MATH Shrewsbury, Mo.  
Phi Eta Sigma; Philosophy Club, Vice-President; International Fellowship.  
KRIKEMEIER, KERRY J. MECH ENG St. Louis, Mo.  
Sigma Pi; President; Rush Chairman, ASME. KREIMER, DAVID P. MECH ENG Parkville, Mo.  
Prospectors; ASME; SAE; Pi Tau Sigma; Newman; Dean's List.  
KRUCKEMEYER, WILLIAM C. MECH ENG St. Louis, Mo.  
Pershing Rifles; SAE.  
KRUEP, DENNIS M. AERO ENG St. Louis, Mo.  
Fifty-niners; GDI; ASME; AIAA; Newman; Honor List.  
KUEBLER, KENNETH L. COMP SCI Jefferson City, Mo.  
Phi Kappa Theta, President; ACM; APO; Theta Tau; Newman; Miner, Editor; Who's Who.  
KUJAR, WILLIAM FRANK, JR. ELECT ENG Oglesby, Illinois  
MRHA; IEEE; First Honor Roll.  
KUHN, THOMAS E. CIVIL ENG St. Louis, Mo.  
Fifty-niners; GDI; ASCE; Intercollegiate Knights; Curator's Scholarship.  
KURTZ, THEODORE J. GEO ENG Wayland, New York  
Sigma Tau Gamma; ASME; SAE; AEG; Kappa Kappa Psi; Newman; UMR-ROTC Band. KWIATKOWSKI, JAMES A. MECH ENG St. Louis, Mo.  
Phi Kappa Theta.  
LABOUBE, ROGER ALLEN CIVIL ENG Washington, Mo.  
Shamrock; GDI; ASCE; Dean's List.

## L

LAMB, STEVE C. CHEM Crocker, Mo.  
Engineers; ACS; Honor List.  
LAMBERT, JOHN E. MECH ENG Indiana, Pennsylvania  
Tau Kappa Epsilon, President, Vice-President; Treasurer; ASME; AIAA, President, Vice-President; Treasurer; APO; Theta Tau, Secretary; Blue Key, Treasurer; Student Council, Treasurer; M-Club; Who's Who; First Honors List; Varsity Track.  
LAMBERT, THEODORE JAMES PHILOSOPHY Rolla, Mo.  
Philosophy Club; International Fellowship.  
LAMMERS, DENNIS R. ELECT ENG Boonville, Mo.

Fifty-niners; GDI; Student Council.  
LANDRETH, EDWARD W. CIVIL ENG Marceline, Mo.  
GDI; ASCE; EIT.  
LANE, EDWIN D. MECH ENG Fredericktown, Mo.  
Tech Club; GDI; M-Club; Football.  
LANGEMACH, WAYNE EL CIVIL ENG St. Joseph, Mo.  
Triangle; ASCE; Tau Beta Pi; Chi Epsilon.  
LARSEN, GLEN A., JR. CER ENG Kirkwood, Mo.  
Kappa Alpha; ACS; Student Union Board, Social Director; Pennsylvania Glass Sand Co. Scholarship.  
LATTI, GARY S. MECH ENG Independence, Mo.  
Delta Sigma Phi, Secretary; AIAA; SAE; APO.  
LATTY, CHARLES C., JR. MECH ENG St. Louis, Mo.  
Campus Club; ASME; SAE; Newman.  
LAWSON, MONTIE R. CIVIL ENG Marionville, Mo.  
Shamrock.  
LEACH, BILLIE E. CER ENG Arnold, Mo.  
Fifty-niners; ACS; Chi Alpha.  
LEANHARDT, DALE MECH ENG St. Louis, Mo.  
MRHA; ASME; Tau Beta Pi; Pi Tau Sigma; Honor List; Murphy Company Scholarship; Mehlville PTA Scholarship; UMR Honor Award; University Scholar.  
LEANHARDT, DENNIS WARREN MECH ENG St. Louis, Mo.  
Independent; ASME; SAE; Tau Beta Pi; Pi Tau Sigma; University Scholar.  
LEBRELL, JOHN ROLF ELECT ENG St. Louis, Mo.  
Shamrock.  
LEGSDIN, JOHN PETER ECONOMICS Rolla, Mo.  
Lambda Chi Alpha; Circle K, President; Student Union Board, Director; M-Club; Interservice Council, Chairman; Blue Key, Treasurer; Dean's List; Who's Who.  
LEHMAN, THOMAS W. CHEM ENG Marissa, Illinois  
AICHE.  
LEHNHOFF, MICHAEL F. MECH ENG Bridgeton, Mo.  
ASME.  
LEIGHNER, KURT GEOLOGY Council Bluffs, Iowa  
Sigma Gamma Epsilon; MSM Spelunkers Club; C. L. Dake Geological Society; First Honor List; Second Honors.  
LENI, CHARLES ELECT ENG Christopher, Illinois  
Campus Club; IEEE; Eta Kappa Nu; Honor List.  
LEONE, JOHN G. ENG MGT Memphis, Missouri  
Student Council, President, Executive Committee; Chancellor's Student Executive Forum; Independents, Vice-President; Inter Co-op Council; Board of Trustees for Student Publications, Vice-Chairman; Student Discipline Board; Tech Club, Business Manager; Miner; President Weaver's Advisory Committee on Student Affairs; Centennial Planning; Centennial Commemoratives; Faculty By-Laws and Catalog; Long-Range Facilities Planning; Traffic Safety and Security Policy; University Center Expansion; University Center Expansion; University Radio;

Society of Automotive Engineers; Who's Who; Blue Key; Curator's Award; Honor Roll.  
LERICHE, EUGENE C. MECH ENG St. Louis, Mo.  
MRHA; AIAA; ASME; EIT; Honors.  
LEUSCHKE, LARRY MECH ENG St. Louis, Mo.  
AIAA.  
LEWELLEN, LYNN CIVIL ENG Hannibal, Mo.  
Engineers; ASCE; Newman; Miner; Curator's Award.  
LEWIS, RALPH A. ENG MGT Kansas City, Mo.  
Thomas Jefferson, ASCE.  
LIESCHIEDT, KENNETH W. GEO ENG Jefferson City, Mo.  
Fifty-niners; MRHA; GDI; Alpha Epsilon Gamma; NSPE; Gamma Delta, Treasurer, Vice-President; AUSA.  
LINDQUIST, JOSEPH RYAN ELECT ENG Joplin, Mo.  
Prospectors; GDI; IEEE; Second Honor Roll.  
LITZINGER, WILLIAM K. CIVIL ENG Chesterfield, Mo.  
Kappa Alpha, Treasurer; ASCE; AUSA; Circle K; Intercollegiate Knights; Tau Beta Pi; Chi Epsilon; Scabbard & Blade; Honor List; MSM Alumni Association Scholarship; Needles Scholarship; First Honor Award; Distinguished Military Student.  
LLEWELLYN, JAMES D. ELECT ENG Odessa, Mo.  
Shamrock; MRHA; UCCF, President; Wesley, Logan, Vincent.  
LOGAN, VINCENT CER ENG Middletown, Mo.  
Prospectors; MRHA; GDI; ACS, President; Keramos, Secretary; A.P. Green Scholarship; Honor List.  
LONG, MICHAEL WAYNE CIVIL ENG Dudley, Mo.  
ASCE.  
LOTT, RONALD B. MECH ENG Ferguson, Mo.  
Pi Kappa Phi; AIAA; Phi Eta Sigma; Pi Tau Sigma; Honor List.  
LUEDDECKE, DONALD CHEM ENG St. Louis, Mo.  
MRHA; AIAA; AICHE; Honor List.  
LUNDERGAN, MICHAEL L. ENG MGT St. Louis, Mo.  
Shamrock; GDI; ASME; SAE; AIAA; APO; Newman; Student Union Board; Honor List.  
LYNCHARD, JIMMY CIVIL ENG Bourbon, Mo.  
ASCE; Dean's Honor Roll.

## M

MacDONALD, BRUCE W. MECH ENG Dexter, Mo.  
Lambda Chi Alpha; ASME; St. Pat's Board.  
MACK, ANTHONY A. CHEM ENG Pittsburgh, Pennsylvania  
Delta Tau Delta, President; AICHE; Gamma Alpha Delta; Alpha Chi Sigma; Honor List.  
MADDOX, DAVID. ENG MGT Memphis, Mo.  
Engineers; GDI; SAE; Mgt. Society; Wesley; ROTC; AUSA.  
MAES, RICHARD J. MECH ENG Red Bud, Illinois  
Shamrock EIT; SAE; Pi Tau Sigma; Newman; Honor List.  
MAGEE, RUSSELL J. CIVIL ENG Kirkwood, Mo.  
Fifty-niners; ASCE; Phi Kappa Phi; Scab-

bard & Blade; Intercollegiate Knights; Tau Beta Pi; Chi Epsilon; Honor List.  
MAHANNA, SIMON ALBERT CIVIL ENG St. Louis, Mo.  
Tau Kappa Epsilon; ASCE; NSPE; Circle K; Rugby Club.  
MAHLANDT, JOSEPH N. CIVIL ENG Centralia, Illinois  
Tech Club; ASCE; NSPE; ICC.  
MAHN, WILLIAM J. PHYSICS DeSoto, Mo.  
Shamrock; SPS; Sigma Pi Sigma; Photo Club.  
MAKINEN, ROBERT WAYNE PSYCHOLOGY Monessen, Pennsylvania  
GDI; AIME; ASM; BSU; Psychology Club, President; Honor Rolls.  
MALICOAT, FREDDIE LEE MECH ENG Hermann, Mo.  
Delta Sigma Phi; SAE, Vice-President; DMS Award.  
MANGAN, LAWRENCE S. CIVIL ENG Ballwin, Mo.  
Fifty-niners, Secretary; GDI; ASCE; Intercollegiate Knights.  
MANNING, THOMAS W. CIVIL ENG Kirkwood, Mo.  
Engineers; MRHA; GDI; ASCE; NSPE; ASME; Pershing Rifles; PMS&T Award.  
MARCHIANDO, ANTHONY F. MECH ENG Collinsville, Illinois  
Allumni Association Scholarship.  
MARK, EDWARD M. ELECT ENG Brentwood, Mo.  
Theta Xi; IEEE.  
MARTIN, KENNETH E., JR. CIVIL ENG Kansas City, Missouri  
Fifty-niners; ASCE.  
MARTIN, RICHARD C. MECH ENG Galion, Ohio  
Lambda Chi Alpha; SAE; AIAA; NSPE; ASME; Newman; Student Council; Student-Faculty General Lectures Committee; Raiders; Dean's List.  
MASON, JAMES H. PHYSICS Independence, Mo.  
Engineers; GDI, Secretary; MRHA; AIP; Student Park Board, Director of Finances; Student Council Representative; Philosophy Club, President, Vice-President; Russian Club; Curator's Scholarship.  
MASTERS, ROBERT S. CER ENG Rolla, Mo.  
ACS; Keramos.  
MATTHEWS, ALFRED W., II CHEM ENG Kansas City, Mo.  
MRHA.  
MATY, RONALD PAUL MECH ENG Grandview, Mo.  
ASME; SAE; Pi Tau Sigma; Honor List.  
MAUNE, DANIEL LEE AERO ENG Washington, Mo.  
Phi Kappa Theta; AIAA; Scabbard & Blade, Treasurer; Dean's List.  
MAYS, LARRY W. CIVIL ENG Pittsfield, Illinois  
Shamrock; ASCE; Chi Epsilon; Honor List; University Concert and Marching Bands.  
McANANY, JOHN W., JR. COMP SCI Raytown, Mo.  
Engineers; ACM; Kappa Mu Epsilon; Newman; Student Council; Honor Roll.  
McCAFFREY, JAMES M. CIVIL ENG Springfield, Illinois  
Campus Club; GDI; ASCE; NSPE.  
MCCAMY, LAWRENCE L. ELECT ENG St. Joseph, Mo.







MCCAW, MICHAEL J. ECONOMICS  
Rolla, Mo.  
Sigma Nu; St. Pat's Board.  
MCCALIN, GREGORY E. MET ENG  
St. Louis, Mo.  
Lambda Chi Alpha; AIME; SAE, Vice-President, Secretary; ASTME; Met. Society, Vice-President; NSPE; ANS; First Honor Roll.  
MCCLUSKEY, HUGH CIVIL ENG  
South Plainfield, New Jersey  
ASCE; Newman.  
MCCORMICK, CARL H. ELECT ENG  
Shamrock; AUSA; Kappa Kappa Psi; Eta Kappa Nu; Intercollegiate Knights; BSU; Central Illinois Public Service Co., Grand Tower Lion's Club Scholarship.  
MCCORMICK, DAVID W. CHEM ENG  
Florissant, Mo.  
MRHA; AICHE; BSU.  
MCCRACKEN, JAMES E. MECH ENG  
Rolla, Mo.  
SAE.  
MCDOWELL, LARRY WAYNE GEO ENG  
Holden, Mo.  
Tech Club; Independents; GDI; Association of Engineering Geologists; Curator's Scholarship; Honor List.  
MCFARLAND, GENE ECONOMICS  
Rolla, Mo.  
MCFERRIN, JAMES B. MECH ENG  
Odessa, Mo.  
Shamrock; GDI; ASME; SAE.  
MCGRATH, GEORGE MICHAEL, JR. MECH ENG  
St. Louis, Mo.  
Engineers.  
MCGREW, GARY D. ENG MGT  
Joplin, Mo.  
Lambda Chi Alpha; IEEE; NSPE; Circle K; Dean's List; Curator's Award.  
MCKEE, ROBERT J. CIVIL ENG  
St. Louis County, Mo.  
MCKELVEY, JAMES B. ELECT ENG  
St. Louis, Mo.  
Kappa Sigma, President, Secretary; IEEE; Intercollegiate Knights, President, Vice-President; Theta Tau, Vice-President; Blue Key, Alumni Secretary; Scabbard & Blade; Eta Kappa Nu; Tau Beta Pi; Miner; Student Council; First Honor Roll; Who's Who; Curator's Scholarship; MSM Alumni Scholarship; Union Oil Scholarship.  
MCNABB, WILLIAM L. ENG MGT  
Crane, Mo.  
MCQUITY, WILLIAM COMP SCI  
Independence, Mo.  
ACM.  
MCTYER, CHARLES WILLIAM ELECT ENG  
Kansas City, Mo.  
Shamrock; IEEE. Vice-President, Secretary.

MCWILLIAMS, LYLE WALTER ELECT ENG  
Eureka, Mo.  
Prospectors; IEEE; AUSA; College Young Republicans; Scabbard & Blade; Second Honor List.  
MECHLIN, MICHAEL E. ELECT ENG  
New London, Mo.  
IEEE; Tau Beta Pi; Eta Kappa Nu; Honor List.  
MEEHAN, JOHN JOSEPH MECH ENG  
Kirkwood, Mo.  
Phi Kappa Theta; Newman.  
MEEKER, CHESTER ELECT ENG  
Gladstone, Mo.  
Engineers; IEEE; Eta Kappa Nu.  
MELZER, GREGG H. MECH ENG  
Sappington, Mo.  
Kappa Sigma; ASME; AUSA; Theta Tau.  
MENDELL, FREDRICK N. CIVIL ENG  
Kirkwood, Mo.  
Kappa Alpha; ASCE; Chi Epsilon.  
METZ, KENNETH L., JR. METALLURGY  
Kansas City, Kansas  
Fifty-niners; GDI; AFS; ASM; ANS.  
MEYER, JAMES W. MECH ENG  
Mehlville, Mo.  
Theta Chi, Vice President; ASTME; APO; Newman; St. Pat's Board.  
MICHEL, JAMES H. NUC-MET  
Cincinnati, Ohio  
Acacia; AIME; ASM; Met Society; Alpha Sigma Mu; Phi Eta Sigma; IFC; Scabbard & Blade; Honor Roll.  
MICHIE, GEORGE ALLEN CIVIL ENG  
Caruthersville, Mo.  
Sigma Phi Epsilon, Vice-President; ASCE; APO; Theta Tau; Student Council; Dean's List; Curator's Award.  
MIDDEN, LEO W. ELECT ENG  
Springfield, Illinois  
MRHA; IEEE; Circle K; Eta Kappa Nu.  
MIDDLETON, JEROME D., JR. ELECT ENG  
Rolla, Mo.  
IEEE; Liahonia, Vice-President.  
MIKKELSEN, CLARK DOUGLAS MECH ENG  
Edgar, Nebraska  
Prospectors; ASME; ASNRAE; Tau Beta Pi; Phi Kappa Phi; First Honors; University Scholar; ASNRAE Scholarship.  
MILDE, JAMES R. CIVIL ENG  
St. Louis, Mo.  
Engineers; ASCE; Honor Roll.  
MILLENBRUCK, MEL CIVIL ENG  
Springfield, Mo.  
Engineers; ASCE.  
MILLER, GARY ELECT ENG  
Poplar Bluff, Mo.  
Engineers; Eta Kappa Nu.  
MILLER, JOHN DAVID MECH ENG

St. Louis, Mo.  
GEI; SAE; IEEE; NSPE; APO; Rollamo.  
MILLER, ROGER A. CHEM  
Festus, Mo.  
ACS.  
MILLER, RONALD JOSEPH CIVIL ENG  
Kansas City, Mo.  
Lambda Chi Alpha, Treasurer; ASCE; SAE; NSPE; Circle K, Vice-President, President; Student Union Committee; M-Club; Forensic Society; Lion's Club Scholarship; Honor List; Varsity Football.  
MILLS, JAMES M. ELECT ENG  
Kinston, North Carolina  
Prospectors; GDI.  
MIRLY, KENNETH A. AERO ENG  
Cape Girardeau, Mo.  
AIAA, Chairman.  
MITCHELL, JOHN W. ELECT ENG  
Springfield, Illinois  
Campus Club; IEEE.  
MOALLEM, HABIB CIVIL ENG  
Teheran, Iran  
Fifty-niners; Independents; Western Society of Engineers; Moslem Association.  
MOEHLE, CARM R. CIVIL ENG  
Richmond Heights, Mo.  
Tau Kappa Epsilon, Pledge Trainer, Secretary, Rush Chairman; AIAA; ASCE; Alpha Phi Omega; Theta Tau; Blue Key; IFC; Dean's List.  
MOELLER, THOMAS J. CIVIL ENG  
St. Louis, Mo.  
ASCE; Tau Beta Pi; Chi Epsilon; Phi Eta Sigma; Intercollegiate Knights; First Honors List; Curator's Award.  
MONTGOMERY, ROGER R. ELECT ENG  
St. Charles, Mo.  
Prospectors; MRHA; IEEE; Newman.  
MOORE, WILLIAM S. CIVIL ENG  
Mt. Vernon, Illinois  
Prospectors; GDI; ASCE; Dean's List.  
MORRIS, JAMES ROBERT MINING ENG  
Eldorado, Illinois  
Shamrock, President; GDI; SME of AIME; Phi Eta Sigma; Tau Beta Pi; ICC, Executive Committeeman, Vice-President; Jesse H. Steinmech Scholarship; Curator's Award; Don B. McCloud Scholarship; Womens Auxiliary AIME Scholarship; First Honor List.  
MORRIS, LARRY D. ELECT ENG  
Rolla, Mo.  
IEEE; Eta Kappa Nu; Phi Epsilon Sigma; Wesley, Treasurer; Curator's Scholarship; Western Electric Scholarship.  
MORRISON, PAUL CIVIL ENG  
West Plains, Mo.  
MOSS, KENNETH E. CIVIL ENG  
Hillsboro, Mo.  
ASCE.  
MOUSER, GERALD F. CIVIL ENG  
Fredericktown, Mo.  
Engineers; Thomas Jefferson, Secretary; ASCE; APO; Intercollegiate Knights; Chi Epsilon; Tau Beta Pi; Phi Eta Sigma, Secretary; First Honor Roll.  
MRUZIK, MICHAEL R. ELECT ENG  
Pacific, Mo.  
Prospectors; MRHA; GDI; IEEE; Kappa Mu Epsilon; Eta Kappa Nu; Raiders.  
MUNDWILLER, JOHN L. CIVIL ENG  
St. Louis, Mo.  
Sigma Phi Epsilon; ASCE.  
MURRAY, CHARLES JOHN CHEM ENG  
Kirkwood, Mo.  
Campus Club; Independents; AICHE; Intercollegiate Knights; Alpha Chi Sigma, Treasurer; Tau Beta Pi; Forensic Society, Treasurer; Thomas Jefferson; Monsanto Scholarship; Curator's Award; Honor List.  
MURRAY, DENNIS RAY COMP SCI  
Branson, Mo.  
Delta Sigma Phi; ACM, Secretary; Scabbard & Blade; APO; KMSM; Student Union Board; Dean's Honor Roll.  
MURRAY, GREGORY M. ELECT ENG  
Springfield, Mo.  
Shamrock; MRHA; GDI; IEEE; Phi Eta Sigma; Tau Beta Pi; Eta Kappa Nu, Treasurer; First Honor List; Curator's Scholarship; University Scholar.  
MYERS, DANNY WILLIAM CHEM ENG  
St. Louis, Mo.  
Campus Club; AICHE.

N  
NEBEL, THOMAS C. ELECT ENG  
Benton, Mo.  
Prospectors; GDI; SAE; IEEE; NSPE; MSPE; APO; Theta Tau; Eta Kappa Nu; Tau Beta Pi; Phi Eta Sigma; Gamma Delta; Student Council; St. Pat's Board; ICC; Honor List; Who's Who; CMF.  
NEELY, DAVID ENG MGT  
Springfield, Mo.  
NEWCOMB, GARY L. ELECT ENG  
Odessa, Mo.  
MRHA; Phi Eta Sigma; Honor List.  
NICHOLSON, PAUL W. COMP SCI  
Pontiac, Illinois  
ACM.  
NIEDERSCHMIDE, JOHN C. MECH ENG  
St. Louis, Mo.  
Delta Sigma Phi; SAE; APO; Newman.  
NIESEN, RICHARD E. MECH ENG  
South Holland, Illinois  
Campus Club.  
NIMMO, STEVE COMP SCI  
Ada, Oklahoma  
Engineers, President; GDI; ACM; ACS; BSU; Miner; ICC.  
NOEDEL, GARY L. ELECT ENG  
St. Louis, Mo.  
IEEE.

NOEL, ROBERT C. ELECT ENG  
St. Louis, Mo.  
GDI; IEEE; Second Honors.  
NUNN, JAMES L. ELECT ENG  
Springfield, Mo.  
IEEE.  
O  
OGLESBY, KIT MAX ELECT ENG  
St. Louis, Mo.  
GDI; ROTC Scholarship.  
O'NEIL, DENNIS ENG MGT  
Bethalto, Illinois  
Campus Club.  
ONSTOTT, LARRY ELECT ENG  
Lamar, Mo.  
Campus Club; GDI; IEEE; Curator's Award; GM Scholarship.  
OPPENHEIM, MORRY ELECT ENG  
University City, Mo.  
Alpha Epsilon Pi; IEEE; St. Pat's Board.  
ORCUTT, RONALD LEWIS CER ENG  
Benton City, Mo.  
Tau Kappa Epsilon; ACS, Secretary; Student Union Board; AIAA; Instrument Society of America, President, Vice-President, Treasurer; Curator's Award; Ceramic Engineering Centennial Scholarship.  
ORR, DARRYL CIVIL ENG  
Dudley, Mo.  
GDI; MRHA; ASCE; ASME; SAE; NSPE; Curator's Award.  
OTI, ENRIQUE ALBERTO, JR. AERO ENG  
Independence, Mo.  
Campus Club; GDI; AIAA; NSPE; Curator's Award; Second Honors.  
OWENS, EDMUND W. ENG MGT  
Middletown, New York  
Fifty-niners; AMA.  
OWENS, REGINALD KELLY ELECT ENG  
St. Louis, Mo.  
Alpha Phi Alpha, Treasurer; IEEE.

P  
PALISCH, ALLEN E. CIVIL ENG  
Altenburg, Mo.  
Shamrock; ASCE; Gamma Delta, Secretary; Curator's Award.  
PALMER, CHARLES A. ENG MGT  
Lee's Summit, Mo.  
PARKER, GEORGE NEEL METALLURGY  
Horton, Kansas  
Tech Club; MRHA; Independents; AIME; ASM; Alpha Sigma Mu; Honor List.  
PARKER, JAMES L. ELECT ENG  
Martinsville, Mo.  
MRHA; Curator's Award; Alumni Scholarship.  
PARKER, JOHN MICHAEL CIVIL ENG  
Jefferson City, Mo.  
ASCE; Newman; Honor Roll.  
PARKER, RICHARD L. PHYSICS  
Harrisburg, Illinois  
PARTHURST, MITCHELL R. MECH ENG  
Weatherby, Mo.  
Fifty-niners.  
PARKS, WILLIAM R. ELECT ENG  
Mtn. Home, Arkansas  
Fifty-niners; IEEE; BSU.  
PARKS, ROGER HAROLD CIVIL ENG  
St. Regis Falls, New York  
ASCE.  
PARMELEE, JAMES D. CER ENG  
Springfield, Mo.  
Shamrock; ACS.  
PARSONS, JERRY DALE CIVIL ENG  
Vandalia, Illinois  
Prospectors; GDI; ASCE; NSPE; ICC, President.  
PAUL, DONALD R. ELECT ENG  
Augusta, Mo.  
Shamrock; GDI; IEEE; Intercollegiate Knights; Eta Kappa Nu; Student Council; Dean's List; Curator's Scholarship.  
PEARL, BRYAN CIVIL ENG  
St. Louis, Mo.  
Alpha Epsilon Pi, Vice-President, Secretary; ASCE; Alpha Phi Omega; Interfraternity Council.  
PENDERGAST, WILLIAM R. MECH ENG  
St. Joseph, Mo.  
Sigma Phi Epsilon; Alpha Phi Omega; Pi Tau Sigma.  
PEOPLES, VEO CHEM ENG  
St. Louis, Mo.  
Alpha Phi Alpha; MRHA; AICHE; Alpha Chi Sigma; Phi Eta Sigma; IFC; Honor List.  
PERSING, HAROLD I. ECONOMICS  
Rolla, Mo.  
Independents.  
PETERS, RAY MECH ENG  
Mt. Carmel, Illinois  
Fifty-niners; GDI; SAE.  
PETERSON, LARRY D. MECH ENG  
Phillipsburg, Mo.  
GDI; MRHA.  
PETERSON, LONNIE GENE MECH ENG  
Phillipsburg, Mo.  
MRHA; GDI; AIAA; ASME; Pi Tau Sigma; Honor List.  
PHILLIPS, GLENNON S. ELECT ENG  
St. Charles, Mo.  
Pi Kappa Alpha, Treasurer; IEEE; AIAA, Treasurer; Rollamo, Classes Editor, College Young Republicans; Dean's List; Curator's Award.  
PHILLIPS, MARVIN D. CIVIL ENG  
Dexter, Mo.  
Shamrock; NSPE; Honor List.





PICKETT, JERRY MAC ENG MGT  
Columbia, Mo.  
PIEPER, GARY WAYNE ELECT ENG  
Webster Groves, Mo.  
Campus Club; GDI: Intercollegiate Knights;  
Eta Kappa Nu; College Young Republicans;  
Treasurer; First Honor Roll; Curator's  
Award.  
PIERCE, JAMES ROBERT MECH ENG  
Mt. Vernon, Illinois  
Prospector's GDI; SAE; ASME; Student  
Council.  
PIETRZAK, PAUL EDWARD MECH ENG  
Cicero, Illinois  
Thomas Jefferson; ASME; SAE; Newman.  
PODEORNY, THADDEUS G. MECH ENG  
Jennings, Mo.  
MRHA; SAE; M-Club; Newman; Baseball.  
POGUE, STEVEN W. MECH ENG  
St. Louis, Mo.  
Pi Tau Sigma.  
POKROSS, CHARLES CERAMICS  
Bronx, New York  
GDI; St. Pat's Board; ACS.  
PONCIROLI, JAMES A. ENG MGT  
St. Louis, Mo.  
Pi Kappa Alpha; AIAA; Met Society; AFS;  
Management Society; Circle K; Miner. Local  
Advertising Director; Honor List.  
PORTNOFF, NEIL STEVEN CER ENG  
University City, Mo.  
Alpha Epsilon Pi; Pledgemaster; ACS; Vice-  
President; Intercollegiate Knights; Keramos,  
Vice-President; Phi Eta Sigma, Treasurer;  
Tau Veta Pi, Vice-President; Honor List;  
Harbison-Walker Scholarship.  
POTZMANN, CLARK A. ENG MGT  
Berkeley, Mo.  
Lambda Chi Alpha; IEEE; ISA; APO; Circle  
K; Vice-President; First Honors; Varsity  
Football.  
POTZMANN, KIM J. COMP SCI  
Eldon, Mo.  
Thomas Jefferson, ACM; GDI; Pershing  
Rifles; Curator's Award.  
POWELL, RICHARD J. CHEM ENG  
Jefferson City, Mo.  
Delta Sigma Phi; AICHe; SAE; AUSA.  
POWERS, DALE NUC SCI  
Marshfield, Mo.  
Independents; MRHA; GDI; ANS; Nuclear  
Eng. Society; Honor Roll.  
PRENGER, RAYMOND O. CHEM ENG  
California, Mo.  
GDI; AICHe; Newman.  
PRICE, HARRY L. CIVIL ENG  
Doniphan, Mo.  
MRHA, Governor; ASCE; AUSA; Chi Epsilon;  
Scabard and Blade.  
PULS, HAROLD DALE ELECT ENG  
St. Louis, Mo.  
Fifty-niners; IEEE; Eta Kappa Nu.  
PURSLEY, TERRY C. CIVIL ENG

Robertsville, Mo.  
MRHA; ASCE; AUSA; First Honor Roll.

## Q

QUAYLE, WAYNE LEO ELECT ENG  
Belleville, Illinois  
Pi Kappa Alpha; AIAA, Vice-President;  
IEEE, Treasurer, Vice-President; ISA,  
President; ASTM, Secretary, Vice-Presi-  
dent; APO; Circle K, Pledgetrainer, Secre-  
tary; Blue Key; Gamma Delta, Secretary;  
Rollamo; Gamma Alpha Delta, Treasurer;  
Student Union Board; Dean's List; Who's  
Who.

## R

RABY, DAVID LEE CIVIL ENG  
Elvins, Mo.  
Tech Club; Independents; ASCE; Chi Epsilon;  
Dean's List.  
RADEMAN, KENNETH J. ELECT ENG  
Jefferson City, Mo.  
Tech Club; GDI.  
RAGSDALE, CLIFFORD R. ELECT ENG  
Kearney, Mo.  
Shamrock; BSU, President; Interfaith Coun-  
cil, Vice-President.  
RANDOLPH, WILLIAM E., JR. MECH ENG  
Hazelwood, Mo.  
Lambda Chi Alpha; ASME; SAE; Pi Tau  
Sigma; Phi Eta Sigma, Secretary; Curator's  
Award; Alumni Scholarship; Honor List;  
Varsity Basketball.  
RANJBAR, ABRAM B. MET ENG  
Tehran, Iran  
Shamrock; AIME; ASM; AFS; Newman;  
Iranian Student's Association, President;  
soccer.  
RATERMAN, MICHAEL CHEM ENG  
St. Louis, Mo.  
Sigma Pi; Alpha Chi Sigma.  
RAULS, GARY LEE MECH ENG  
Hillsboro, Mo.  
ASME; Pi Tau Sigma; First Honor Roll.  
RAY, BILL T. AERO ENG  
Kennett, Mo.  
Shamrock; AIAA; SAE; Karate Club, Secre-  
tary, Treasurer; Missouri Society of Pro-  
fessional Engineers Scholarship.  
RAY, CHARLES T. MET ENG  
Uruvan, Colorado  
AIME; ASM; Alpha Sigma Mu.  
RAY, EARL DEE CIVIL ENG  
St. Louis, Mo.  
ASCE.  
REED, GALE A. MECH ENG  
Birch Tree, Mo.  
Fifty-niners; GDI.

REED, ROBERT LARRY CIVIL ENG  
Milan, Mo.  
Campus Club; MRHA; ASCE; Intercollegiate  
Knights; Chi Epsilon, President; Phi Eta  
Sigma; Tau Beta Pi; Phi Kappa Phi; Cu-  
rator's Award; Honor Award; University  
Scholar; Chevron Oil Company Scholarship.  
REED, SAMUEL L. ELECT ENG  
Boonville, Mo.  
IEEE; KMSM.  
REID, JACK A. CIVIL ENG  
St. Louis, Mo.  
REINBOTT, MICHAEL E. ELECT ENG  
Bernie, Mo.  
APO.  
REINHARDT, R. PETER CIVIL ENG  
Buffalo, New York  
Theta Xi, Vice-President, Secretary; Raiders.  
REIS, RONALD M. MECH ENG  
Creve Coeur, Mo.  
Lambda Chi Alpha.  
REKUS, JAMES ELECT ENG  
Metropolis, Illinois  
IEEE.  
REILGERGERT, RONALD A. CIVIL ENG  
Perryville, Mo.  
Prospectors; GDI; ASCE; Honor List.  
RENICK, STEPHEN HOWARD MET ENG  
Kansas City, Mo.  
ASM; AFS; Alpha Sigma Mu; Foundry Edu-  
cational Foundation Scholarship; Dean's List.  
REUTER, ROBERT CARL CHEM ENG  
Urbana, Mo.  
MRHA; GDI; AICHe; Alpha Chi Sigma.  
REYNOLDS, JOSEPH CHARLES CIVIL ENG  
University City, Mo.  
Campus Club; GDI; ASCE; SAE; M-Club,  
Treasurer; Curator's Award; Dean's List.  
RHODES, TERRY LEE CIVIL ENG  
Perryville, Mo.  
Phi Kappa Theta; ASCE.  
RHYNE, CHARLES A. CIVIL ENG  
Perryville, Mo.  
Prospectors; ASCE.  
RICHARDS, RANDALL R. ELECT ENG  
ElDorado Springs, Mo.  
Delta Sigma Phi; IEEE; Student Union Board,  
President; Chancellor's Student Executive  
Forum; Curator's Award; Texaco Scholar-  
ship; Honor List; Who's Who.  
RICHARDSON, JOE RAY ELECT ENG  
Mt. Vernon, Mo.  
Engineers.  
RICHEY, JAMES MICHAEL ELECT ENG  
Crab Orchard, Illinois  
Tech Club; GDI.  
RICONO, MARION PAUL CIVIL ENG  
Kansas City, Mo.  
Campus Club; GDI; MRHA; MSPE, Presi-  
dent, Treasurer; ASCE; Chi Epsilon, Treas-  
urer; Intercollegiate Knights; Tau Beta Pi;  
ICC; Honor List.  
RIDDLE, CHARLES, JR. AERO ENG  
Dexter, Mo.  
Fifty-niners; AIAA.  
RIEGE, JOHN D. GEO ENG  
Miami, Florida  
Theta Xi; C. L. Dake Geological Society;  
Esperanto; Spelunkers; WAAIME Scholar-  
ship.  
RINNE, ROBERT A. CIVIL ENG  
Higginsville, Mo.  
ASCE; Chi Epsilon; Tau Beta Pi.  
RITTER, DANNY J. MECH ENG  
St. Genevieve, Mo.  
Phi Kappa Theta; ASME; SAE; Newman;  
College Young Democrats, Secretary.  
ROBB, RICHARD FRANK MECH ENG  
Coulterville, Illinois  
Kappa Alpha; ASME; Circle K; Raiders.  
ROBERTSON, DONALD T. CHEMISTRY  
Webster Groves, Mo.  
Tech Club; GDI.  
ROBERTSON, DWIGHT MECH ENG  
Iberia, Mo.  
ROBINSON, GUY MICHAEL CHEM ENG  
Dumas, Arkansas  
Fifty-niners; GDI; AICHe; Alpha Chi Sigma.  
ROCCIO, FREDERICK J. JR. MET ENG  
Florissant, Mo.  
Phi Kappa Theta, President, Pledge Trainer;  
AIME; ASM; AFS; Rollamo; Miner; FEF  
Scholarship; Dean's List; Second Honors.  
ROCHE, JOHN MECH ENG  
Hermann, Mo.  
Phi Kappa Theta; SAE; ASME; Newman;  
Honor List.  
ROESCH, EDWARD AERO ENG  
St. Louis, Mo.  
Fifty-niners, President; GDI; AIAA; ICC.  
ROETTGEN, LESLIE A. MECH ENG  
Jefferson City, Mo.  
Phi Kappa Theta; SAE; Newman; Rollamo.  
ROGERS, RICHARD GRAVATT CIVIL ENG  
Steelville, Mo.  
Fifty-niners; GDI; ASCE; Dean's List.  
ROHNER, ROBERT J. MECH ENG  
West Liberty, Iowa  
Engineers; ASME; Pi Tau Sigma; Tau Beta  
Pi.  
ROLLE, DONALD R. ENG MGT  
Rogers, Arkansas  
Tau Kappa Epsilon; AMA.  
ROMAN, RONALD JOSEPH ELECT ENG  
St. Louis, Mo.  
ROMINE, BARRY RALPH CIVIL ENG  
Kirkwood, Mo.  
Kappa Sigma; ASCE; Baseball.  
ROMMELMANN, DAVID W. CIVIL ENG  
Carlyle, Illinois  
Tech Club; GDI; ASCE.  
ROONEY, MICHAEL J. MECH ENG  
Cameron, Mo.  
ASME; Intercollegiate Knights.

ROSS, JAMES A. ELECT ENG  
Essex, Mo.  
Thomas Jefferson, President, Secretary;  
IEEE; Intercollegiate Knights; APO; Eta  
Kappa Nu; Scabard and Blade, Secretary;  
Tau Beta Pi; Wesley Foundation; Curator's  
Award; Honor List; UMR Honor Award.  
ROSS, LENARD H. CIVIL ENG  
Creve Coeur, Mo.  
Tech Club; GDI; ASCE; Newman; Raiders.  
ROSS, STEPHEN C. MECH ENG  
Paducah, Kentucky  
Lambda Chi Alpha; ASME; IEEE; Alpha Phi  
Omega.  
ROTHERMICH, RICHARD MECH ENG  
St. Charles, Mo.  
MRHA; AIAA; Scabard and Blade; Pershing  
Rifles.  
ROUBIDOUX, EARL J. MECH ENG  
St. Louis, Mo.  
Tech Club; GDI; ASME; Pi Tau Sigma; Honor  
List; Curator's Award; University Scholar.  
ROUSH, RONALD LADD ELECT ENG  
Florissant, Mo.  
Engineers; GDI; IEEE; Honor List.  
ROWAN, JAMES MICHAEL MECH ENG  
Jefferson City, Mo.  
Thomas Jefferson; SAE; ASME; Newman;  
Honor List.  
RUHLAND, MICHAEL R. PHYSICS  
Florissant, Mo.  
Campus Club, Vice-President; SEG; New-  
man; ICC, Secretary; V. H. McNutt Scholar-  
ship; Texaco Scholarship; Curator's Award;  
Dean's List.  
RUSCH, NEIL ROBERT CIVIL ENG  
Joplin, Mo.  
Fifty-niners; GDI; ASCE.

## S

SANDNER, BERNARD MECH ENG  
Mt. Olive, Illinois  
Prospector's; GDI; ASME; SAE; Intercol-  
legiate Knights; Pi Tau Sigma; Tau Beta Pi;  
Newman; First Honor List.  
SANDER, JOSEPH WILLIAM CIVIL ENG  
Salisbury, Mo.  
Campus Club; Independent; ASCE; Chi Epsi-  
lon; Newman.  
SCHAEFFER, MICHAEL J. ENG MGT  
St. Louis, Mo.  
Tech Club, President; Independents, Presi-  
dent; SAE; ASME; NSPE; Blue Key; Phi Eta  
Sigma; Intercollegiate Knights; Miner, In-  
dependent News Editor; Student Council;  
Inter-coop Council; Curator's Award; Dean's  
List; Who's Who.  
SCHAEFFER, CHARLES R. ENG MGT  
St. Louis, Mo.  
Sigma Pi.  
SCHATZ, ROBERT L. MECH ENG  
Loogootee, Illinois  
SAE; ASME.  
LEON H. SCHELLMAN CIVIL ENG  
Jefferson City, Mo.  
Phi Kappa Theta, President, Secretary;  
ASCE; APO, Secretary; Theta Tau; Blue Key,  
Editor; Rollamo, Editor-in-Chief, Associate  
Editor, Literary Editor; Miner; Student Union  
Board, Social Director; Who's Who; Cu-  
rator's Award.  
SCHILL, EUGENE A., JR. ELECT ENG  
Florissant, Mo.  
MRHA; IEEE; Intercollegiate Knights; Eta  
Kappa Nu; First Honors List.  
SCHILLING, KENNETH L. ENG MGT  
Ferguson, Mo.  
Lambda Chi Alpha; ASME; SAE; APO; Stu-  
dent Union Board; Murphy Co. Scholarship;  
Curator's Award.  
SCHMIDT, MICHAEL G. MECH ENG  
University City, Mo.  
Engineers; ASME; Gamma Delta; Curator's  
Award.  
SCHMIDT, THOMAS E. GEO ENG  
Brookfield, Wisconsin  
GDI; NSPE; ASCE; APO; Circle-K; Inter-  
collegiate Knights, President, Vice-Presi-  
dent, Secretary; Sigma Gamma Epsilon; Tau  
Beta Pi; Phi Eta Sigma, President; Student  
Council; C. L. Dake Geological Society; Honor  
Award; Honor List.  
SCHMITZ, JAMES F. CIVIL ENG  
St. Louis, Mo.  
Phi Kappa Theta; ASCE; Chi Epsilon.  
SCHNAKE, JOHN STEPHEN CIVIL ENG  
Mt. Vernon, Illinois  
SCHNEIDER, DANNY A. ELECT ENG  
Metropolis, Illinois  
GDI; IEEE; NSPE; Student Union Committee;  
IEEE Student Leadership Award.  
SCHONEFELD, CAROL ENGLISH  
Glencoe, Mo.  
Campus Club; Women's Residence Hall As-  
sociation, President; KMSM.  
SCHREINER, MICHAEL JOHN COMP SCI  
St. Louis, Mo.  
Delta Tau Delta, Secretary; AICHe; Alpha  
Phi Omega; Newman; St. Pat's Board; Gam-  
ma Alpha Delta.  
SCHREINER, ROBERT W. CIVIL ENG  
Jackson, Mo.  
MRHA; ASCE; Scabard and Blade; Pershing  
Rifles.  
SCHROEDER, RICHARD A. ELECT ENG  
St. Louis, Mo.  
IEEE; First Honors.  
SCHROLL, DENNIS WAYNE AERO ENG  
James Port, Mo.  
Campus Club; AIAA; Spelunker's Club.  
SCHUETTE, JAMES F. ENG MGT  
St. Louis, Mo.  
Shamrock; NSPE; ASME; SAE; GDI.  
SCHWAGER, JOHN L. PET ENG



Granite City, Illinois  
Sigma Nu, Vice-President, Treasurer: SPE, President, Vice-President; Pi Epsilon Tau, Vice-President; Kappa Mu Epsilon; Phi Eta Sigma, President; Student Council Shell Oil Industry Scholarship.  
SCHWANKE, CARL ORIN CHEM ENG  
Leonard, Mo.  
MRHA: GDI; AICHE, Treasurer; Alpha Chi Sigma, Vice-President; Intercollegiate Knights; Tau Beta Pi; Spelunker Club; First Honor Roll; University Scholar; Curator's Award; AICHE Scholarship.  
SCHWEIZER, ARTHUR A. MET  
Yonkers, New York  
Sigma Phi Epsilon: AIME: ASM.  
SCOTT, DAN MET  
St. Charles, Mo.  
Shamrock, GDI; Met Society; ASM: AIME: Alpha Sigma Mu; ICC: Dean's List; Inco Scholarship.  
SELDEN, THOMAS ALFRED MECH ENG  
Ferguson, Mo.  
Lambda Chi Alpha: SAE: ASME: NSPE: Theta Tau; Blue Key; Student Union Board.  
SHAEFER, WILLIAM E., JR. CER ENG  
Jefferson City, Mo.  
Engineers: ACS: Keramos, Treasurer; Curator's Scholarship; Ferro Scholarship.  
SHAFFER, LYNN O. CIVIL ENG  
Perryville, Mo.  
Kappa Alpha: ASCE: Curator's Award.  
SHANHOLTZER, JAMES TIMOTHY MECH ENG  
Springfield, Mo.  
Shamrock: GDI; SAE: AIME; Pi Tau Sigma: Photo Club; M-Club; Varsity Track.  
SHAW, DONALD H., JR. MECH ENG  
Carrollton, Mo.  
MRHA: SAE: Honor List.  
SHEA, MICHAEL H. MECH ENG  
Warrensburg, Mo.  
Fifty-niners: SAE.  
SHEPARD, JAMES EDWARD CIVIL ENG  
Kennett, Mo.  
GDI: ASCE.  
SHEPHERD, CHARLES A. CIVIL ENG  
Huey, Illinois  
Tech Club, Vice-President; GDI: ASCE: Student Council; Second Honors.  
SHEPHERD, LOREN ELECT ENG  
St. Louis, Mo.  
Prospectors: Independents: IEEE.  
SHEPPARD, KEITH D. MECH ENG  
Fort Gordon, Georgia  
ASME: AIAA: Pi Tau Sigma: Honor List.  
SHERRICK, HAROLD CIVIL ENG  
Kirkwood, Mo.  
Fifty-niners.  
SHINN, WILLIAM K. ELECT ENG  
Ladonia, Mo.  
Shamrock: GDI: MRHA: IEEE: Newman: Student Union Committee.  
SHORTER, LAWRENCE WAYNE, JR. CIVIL ENG  
Lockwood, Mo.  
ASCE.  
SHRIVER, BRYCE L. NUC ENG  
Belton, Mo.  
AUSA: Scabbard and Blade Tau Beta Pi; Phi Kappa Phi; Student Council Academic Affairs Committee; Phi Kappa Phi Book Plate; Olin Summer Scholarship; Army ROTC Scholarship.  
SIBIGTOTH, DAVID H. CIVIL ENG  
LaSalle, Illinois  
Shamrock: GDI: Newman.  
SIMMONS, JOE M. ELECT ENG  
Monett, Mo.  
MRHA: Independents: IEEE: Newman.  
SMITH, BEVERLY RAY CIVIL ENG  
Alexandria, Virginia  
ASCE: Society of Women Engineers; Wesley Foundation; Dean's List.  
SMITH, EMMET CARTER ENG MGT  
St. Louis, Mo.  
AMA: First Honor Roll.  
SMITH, MICHAEL LEWIS MECH ENG  
Rockville Centre, New York  
Thomas Jefferson; ASME: AIAA: Student Union Committee; Honor List.  
SMITH, ROBERT EARL CIVIL ENG  
St. Louis, Mo.  
Lambda Chi Alpha, Treasurer; ASCE: M-Club; Honor List; Varsity Track.  
SMITH, ROBERT EVERETT MECH ENG  
St. Louis, Mo.  
Kappa Sigma: ASCE: ASME: AUSA: Scabbard and Blade; M-Club; Rugby Club; Varsity Football.  
SMITH, RONALD T. CIVIL ENG  
Fenton, Mo.  
Engineers: ASCE: Newman: Miner: Student Union Committee.  
SMITH, WILLIAM STANLEY MECH ENG  
Salem, Illinois  
ASME: ASHRAE: SAE: Honor Roll.  
SNOW, MARTIN R. CIVIL ENG  
Kansas City, Mo.  
Delta Sigma Phi, Vice-President, Treasurer, President; ASCE: Theta Tau, Treasurer; St. Pat's Board, Treasurer, Guard.  
SOBER, JAMES R., JR. ENG MGT  
Rolla, Mo.  
Management Society: Radio Club; Forensic Society.  
SPAUNHORST, VERNON R. MECH ENG  
Washington, Mo.  
Phi Kappa Theta: Newman.  
SPELLMAN, DANIEL J. CIVIL ENG  
Springfield, Mo.  
Tech Club: MRHA: GDI: ASCE: MSPE: Curator's Scholarship.  
SPENCER, LENORE KELLY CHEMISTRY  
St. Louis, Mo.  
Women's Dorm Association; Society of Women

men Engineers; W. T. Shrenk Society; American Chemical Society; BSU: Newman; Honor List; Curator's Award; Band.  
SPILLER, JACK CER. ENG.  
Goreville, Illinois  
Prospectors: GDI: ACS: BSU.  
SPRINGER, ANNE MARIE HISTORY  
Bourbon, Mo.  
STACK, DENNIS L. CIVIL ENG  
St. James, Mo.  
ASCE: Chi Epsilon; Raiders: AUSA: M-Club; Scabbard and Blade; Dean's List; Varsity Baseball.  
STAEBEL, RAYMOND J. CHEM ENG  
Kelso, Mo.  
Fifty-niners: AICHE: Alpha Chi Sigma.  
STARKWEATHER, STEPHEN CIVIL ENG  
Joliet, Illinois  
Shamrock: ASCE: Intercollegiate Knights; BSU.  
STEELE, HARRY B. III CIVIL ENG  
Willow Springs, Mo.  
Campus Club; Independents: MRHA: GDI: ASCE: Newman; Student Union Board; Curator's Scholarship; Dean's List.  
STEFANSKY, THOMAS P. GEO ENG  
Monessen, Pennsylvania  
Sigma Tau Gamma; AEG.  
STEIMEL, DAVID F. MECH ENG  
Florissant, Mo.  
SAE: NSPE: Newman.  
STEIN, JOHN H. AERO ENG  
Oregon, Mo.  
Fifty-niners: GDI: Honor List.  
STEPHENSON, MICHAEL W. CIVIL ENG  
Willow Springs, Mo.  
Engineers: Thomas Jefferson; ASCE: Dean's List.  
STEURY, THOMAS D. ELECT ENG  
Kansas City, Mo.  
Campus Club: GDI: IEEE: NSPE: Eta Kappa Nu; Tau Beta Pi; Wesley: University Scholar Scholarship; Honor List.  
STEWART, JAMES ENG MGT  
Kirkwood, Mo.  
Tau Kappa Epsilon, Secretary; Management Society, Secretary; Rugby Club, Treasurer; AIAA.  
STEUDTNER, RALPH RAYMOND ELECT ENG  
Affton, Mo.  
Shamrock: Phi Eta Sigma; Eta Kappa Nu; First Honor Roll.  
STEVENSON, LOWELL D. MECH ENG  
Springfield, Mo.  
Kappa Alpha: ASME: AIAA: Student Union Committee.  
STOLL, THOMAS M. ELECT ENG  
St. Louis, Mo.  
IEEE: Eta Kappa Nu; Tau Beta Pi; Newman A. B. Chance Scholarship; First Honors.  
STORIE, TRACY L. ENGLISH  
Waynesville, Mo.  
STRANG, BRUCE GEO ENG  
Waynesville, Mo.  
Fifty-niners: GDI: Raiders: AUSA, President; Tau Beta Pi; Scabbard and Blade; McNitt Scholarship; ROTC Scholarship; University Scholar; First Honor Roll.  
STRAUSER, BRAD M. CIVIL ENG  
Sullivan, Mo.  
ASCE: Chi Epsilon; Honor List.  
STRUCKHOFF, ROBERT M. CIVIL ENG  
St. Louis, Mo.  
Phi Kappa Theta, Vice-President; ASCE: Newman.  
STRUSSSEL, DAVID A. AERO ENG  
St. Louis, Mo.  
Shamrock: AIAA: SAE: First Honor Roll.  
STUBBLEFIELD, RONALD MINING ENG  
Lawndale, Illinois  
GDI: AIME: Illinois Mining Institute Scholarship; Alcoa Foundation Scholarship.  
STUENKEL, OMAR T., JR. CHEM ENG  
Florissant, Mo.  
Beta Sigma Psi: Alpha Chi Sigma.  
SULLENTROP, JAMES H. MECH ENG  
St. Louis, Mo.  
Tech Club: GDI: ASME: ASTM: Scabbard and Blade; Newman.  
SUHER, FRANK MECH ENG  
St. Louis, Mo.  
Phi Kappa Theta: SAE.  
SVOBODA, MICHAEL FRANK ENG MGT  
St. Louis, Mo.  
Lambda Chi Alpha: IEEE: AMA: Dean's List.  
SWIECICKI, CLIFFORD C. AERO ENG  
Edwardsville, Illinois  
Shamrock: ASME: AIAA.  
SWINNY, DAVID W. ELECT ENG  
Paducah, Kentucky  
Engineers: NSPE: IEEE.  
SWOBODA, RAYMOND C., JR. MECH ENG  
St. Joseph, Mo.  
ASME: SAE: Pi Tau Sigma: Tau Beta Pi; Honor List.  
SWYERS, DAN R. CIVIL ENG  
St. Louis, Mo.  
Fifty-niners: GDI: ASCE.  
SWYERS, DON RAYMOND CIVIL ENG  
St. Louis, Mo.  
Fifty-niners: ASCE: Tau Beta Pi; Chi Epsilon; Intercollegiate Knights; Honor List.

## T

TAFRA, PHILLIP JOSEPH CHEM ENG  
St. Louis, Mo.  
AICHE.  
TAWILL, FARID J. CIVIL ENG  
Beirut, Lebanon  
Tech Club: GDI: ASCE.  
TAYLOR, RONALD G. ELECT ENG  
Vienna, Illinois



Fifty-niners: GDI: IEEE, Secretary.  
TEKOTTE, TERRY NEAL COMP SCI  
Affton, Mo.  
MRHA.  
THIEME, REINHOLD WILLIAM MECH ENG  
Barre, Vermont  
Shamrock: ASME: SAE: NSPE: Debate Club, Vice-President.  
THOMAS, GREGORY O.K. ENGLISH  
Waynesville, Mo.  
Campus: Shamrock: GDI: MRHA: Miner: Student Council; Dean's List.  
THOMAS, JAMES P. ENG MGT  
Willow Springs, Mo.  
Fifty-niners: MRHA: GDI: ASCE: AMA: Intercollegiate Knights; Kappa Kappa Psi; Iota Beta Sigma, Vice-President; KMSM: Curator's Scholarship; Honor List; Outstanding Freshman Bandsman; Band; Co-op Program.  
THOMAS, VERNER E. CIVIL ENG  
Sesser, Illinois  
Independents: ASCE: NSPE.  
THOMASSON, WILLIAM MICHAEL ELECT ENG  
Forrest City, Arkansas  
Fifty-niners: IEEE: Eta Kappa Nu; Tau Beta Pi; Honor List; Curator's Scholarship.  
THOMPSON, ROBERT M. MET ENG  
Waukegan, Illinois  
GDI: AIME: ASM: Intercollegiate Knights; Alpha Sigma Mu, Secretary.  
THOMPSON, WILLIAM M. ELECT ENG  
Bellevue, Mo.  
GDI: Shamrock; Pershing Rifles: IEEE: Honor List.  
THOMSON, RICHARD K. AERO ENG  
Kirkwood, Mo.  
Kappa Sigma: AIAA: Intercollegiate Knights; Pi Tau Sigma; Distinguished Military Student.  
TIEMANN, DALE A. MECH ENG  
St. Louis, Mo.  
Fifty-niners: MRHA: Thomas Jefferson; GDI: SAE: MSPE.  
TIJAN, FREDRICK A. CIVIL ENG  
Joliet, Illinois  
MRHA: ASCE: Honor List.  
TIMBRELL, HAMILTON C. CIVIL ENG  
Hackettstown, New Jersey: ASCE.  
TOLLE, WILLIAM L. CHEM ENG  
Rushville, Illinois  
Fifty-niners: AICHE: Alpha Chi Sigma; Honor List.  
TORRES, WILLIAM CIVIL ENG  
Independence, Mo.  
Engineers: GDI: ASCE.  
TOTI, GART ALAN ELECT ENG  
Overland, Mo.  
Lambda Chi Alpha: IEEE.  
TOWNSON, DENNY R. ELECT ENG  
Bronaugh, Mo.  
MRHA: AUSA: Eta Kappa Nu; Tau Beta Pi; Phi Kappa Phi; First Honor Award.

TREXLER, GARRY R. CIVIL ENG  
Columbia, Illinois  
ASCE: NSPE: Tau Beta Pi; Chi Epsilon; Honor List.  
TRNKA, WALTER C. MECH ENG  
Cicero, Illinois  
MRHA: ASPE: Newman, Vice-President; Photo Club, Secretary, Treasurer.  
TUCKER, R. KATHLEEN ENGLISH  
Rolla, Mo.  
Coeds.  
TUETKEN, RICHARD MECH ENG  
Pana, Illinois  
Tau Kappa Epsilon: ASME: SAE: ASHRAE: AIAA: Theta Tau; St. Pat's Board, Secretary.  
TURCO, MICHAEL C. CHEM ENG  
St. Louis, Mo.  
Sigma Pi, Secretary; AICHE: ACS: Circle K; Alpha Chi Sigma; Tau Beta Pi; Phi Eta Sigma; Phi Kappa Phi; University Scholar; Dean's List.  
TUTKA, JAMES MECH ENG  
Madison, Illinois  
Prospectors: GDI: SAE.  
TWELLMAN, DAVID H. CHEM ENG  
Bowling Green, Mo.  
Sigma Pi: ACE: Alpha Chi Sigma; Honor List.  
TYLER, JEWELL JOE MECH ENG  
Iberia, Mo.  
Thomas Jefferson; SAE: ASME: AIAA.

## U

UEBEL, F. RICK MECH ENG  
Brentwood, Mo.  
Delta Sigma Phi: ASME: SAE: AIAA Student Union Board.  
UMPHENOUR, CHARLES F. MECH ENG  
Rock Hill, Mo.  
MRHA: SAE: ASME: AIAA: Intercollegiate Knights; Pi Tau Sigma; Tau Beta Pi; First Honor Award; Honor List.  
URSCH, RICHARD W. ELECT ENG  
St. Louis, Mo.  
Pi Kappa Phi, Secretary; APO: Student Council: AUSA.  
USSERY, HOYT D., III ELECT ENG  
St. Charles, Mo.  
Varsity Baseball.

## V

VANDEBOE, ALAN CHARLES CHEM ENG  
Quincy, Illinois  
Sigma Pi, Vice-President; AICHE: MSPE.  
VERNON, GEORGE M. ELECT ENG  
Russellville, Mo.  
Tech Club: GDI: IEEE: MSPE: Phi Eta Sigma; Eta Kappa Nu, President; Tau Beta Pi.



Treasurer; ICC: Honor Award; University Scholar; Honor List; Curator's Scholarship; University Dormitory Development Scholarship; Lion's Club Scholarship; Equal Opportunity Grant; Missouri Society of Professional Engineers Scholarship; Engineer's Wives Grant; Laura and George Easley Fund. VICENTE, TIMOTHY MARTIN CIVIL ENG St. Louis, Mo.  
Kappa Sigma, Rush Chairman, Pledge Trainer; ASCE, Treasurer; NSPE, Treasurer; APO, Secretary; Circle-K, President, Pledge Trainer; Theta Tau, Treasurer; Blue Key, Secretary; Miner, IFC, President; Student Union Board, Vice-President; Missouri Curator's Scholarship; Dean's List; Who's Who; Blue Key Man-of-the Month. VILAND, DONALD MET ENG Streator, Illinois  
NSPE: AFS: Met. Society; Foundry Educational Foundation Scholarship. VINCENT, JAMES E. ELECT ENG Fredricktown, Mo.  
VINEYARD, WILLIAM F. MECH ENG St. Louis, Mo.  
MRHA: GDI: ASME. VIOX, PAUL ANDREW MECH ENG St. Genevieve, Mo.  
Phi Kappa Theta: ASME; Newman; Curator's Award. VONDEMANGE, WALTER C. GEO ENG Raytown, Mo.  
Prospectors; GDI; AEG; AUSA; Pershing Rifles; V. H. McNutt Field Camp Scholarship. VOSBURGH, TOM CIVIL ENG St. Louis, Mo.  
Sigma Phi Epsilon; ASCE. VRENNICK, EUGENE LOUIS CHEM ENG Granite City, Illinois  
Engineers; Independents; Newman; Rollamo; Miner; Raiders.

## W

WADE, LANCE VICTOR, JR. ELECT ENG Independence, Mo.  
Fifty-niners; GDI; IEEE; Raiders; Esperanto; Russian Club; Dean's List. WAGGONER, JAY, JR. CIVIL ENG Willow Springs, Mo.  
Thomas Jefferson; ASCE, Treasurer, President; APO; Intercollegiate Knights; Chi Epsilon; Student Council; Dean's List; Curator's Award. WAGNER, DENNIS L. ELECT ENG St. Louis, Mo.  
Shamrock; Wesley. WAGNER, JOHN R. CIVIL ENG Republic, Mo.  
Tech Club; Independents; ASCE; Chi Epsilon; Honor List. WAGNER, PETER CIVIL ENG Philadelphia, Pennsylvania  
Shamrock; ASCE; UCCF, Vice-President; Wesley. WAKEFIELD, CLYDE CIVIL ENG Shelbyville, Illinois  
MRHA; ASCE; Dean's List. WALK, HOWARD J. CIVIL ENG St. Charles, Mo.  
MRHA; ASCE; NSPE. WALLERSTEIN, EDWARD REUBEN ELECT ENG St. Louis, Mo.  
Campus Club; GDI; IEEE; Iota Beta Sigma, Secretary, Treasurer, President; Miner. WALLGREN, EDWARD C., JR. ELECT ENG Farmington, Mo.  
GDI; IEEE; EIT. WALTERS, DONALD B. ENG MGT Brentwood, Mo.  
MRHA; GDI; SAE; AMA. WAND, DAVID A. ELECT ENG Quincy, Illinois  
Phi Kappa Theta, Vice-President; Newman. WARD, RICHARD F. CIVIL ENG St. Charles, Mo.  
MRHA; ASCE; Chi Epsilon; Tau Beta Pi; Honor List. WARD, TERENCE RAY PHYSICS Kansas City, Mo.  
Delta Sigma Phi, Vice-President, Rush Chairman; Society of Physics Students, Vice-President; APO; Intercollegiate Knights, Secretary, Treasurer; Blue Key; Tau Beta Pi; Sigma Pi Sigma, President; Phi Eta Sigma, Vice-President; Who's Who; Dean's List; Student Union Special Events Committee. WARDEN, PHILIP JAMES ELECT ENG Joplin, Mo.  
Engineers; GDI; IEEE; Newman; Honor Roll. WARNER, JOHN RICHARD GEO ENG Centralia, Illinois  
Lambda Chi Alpha, President, Secretary; NSPE, Vice-President; AEG, President, Vice-President; AUSA; ANS; APO, Secretary; Sigma Gamma Epsilon; Blue Key, Secretary; Scabbard and Blade; Interservice Council; Dean's List. WATTENBARGER, JAMES C. CIVIL ENG Lamar, Mo.  
Prospectors; GDI; ASCE; AUSA; Pershing Rifles. WEATHERLY, STEPHEN M. MET Indianapolis, Indiana  
MRHA; ASME. WEBB, ROBERT J. ELECT ENG St. Louis, Mo.  
IEEE. WEBB, STANLEY H. MATH St. Louis, Mo.  
Fifty-niners; Independents; SAE; Intercollegiate Knights; Kappa Mu Epsilon, Treas-

urer; Phi Eta Sigma; Honor List. WEDGE, WILLIAM KEITH GEOLOGY Alton, Mo.  
Pi Kappa Alpha, Assistant Treasurer, Treasurer, Editor, Correspondent, Sgt. at Arms; AIME; AIAA; Intercollegiate Knights, Historian, Secretary, Vice-President; Circle K, Vice-President, President; Theta Tau; Scabbard and Blade; Sigma Gamma Epsilon; Blue Key, President, Vice-President; Kappa Kappa Psi, President, Treasurer; Rollamo, Editor-in-Chief, Business Manager, Associate Editor, Literary Editor; Interservice Council; Student Executive Forum; Student Publications Board; C. L. Dake Society; Concert and Marching Band; Who's Who; First Honors Award; Dean's List; Blue Key Man-of-the-Month; Pi Kappa Alpha Alumni Scholarship; Alpha Tau Omega Scholarship; V. H. McNutt Scholarship; WAAIME Scholarship; Steinmensch Memorial Scholarship; Curator's Scholarship. WEGE, JAMES R. CIVIL ENG St. Charles, Mo.  
Fifty-niners; GDI; ASCE; SAE; Intercollegiate Knights; Chi Epsilon; Newman; Dean's List. WEGMAN, GARY ROBERT ELECT ENG St. Louis, Mo.  
MRHA. WEIBLE, JERRY L. ELECT ENG Bonne Terre, Mo.  
WEISS, DAVID ALAN MINING Potosi, Mo.  
Shamrock; AIME, Treasurer; Kappa Mu Epsilon; Wesley; American Smelting and Refining Scholarship. WELLINGHOFF, EUGENE F. ELECT ENG St. Louis, Mo.  
Pi Kappa Phi, President, Vice-President, Treasurer; IEEE; ISA; Mu Alpha Theta; Newman. WELLS, CURTIS MATH Aurora, Mo.  
Shamrock; Kappa Mu Epsilon; Lewis E. Young Scholarship; Curator's Scholarship; First Honor List; Honor Award. WELLS, ROBERT ELECT ENG Kansas City, Mo.  
WELSCH, WILLIAM E. NUC ENG Kansas City, Mo.  
GDI; Thomas Jefferson; ANS; Alpha Sigma Mu; Foundry Educational Foundation Scholarship. WESELY, ROBERT J. CIVIL ENG Memphis, Mo.  
Tech Club; GDI; ASCE. WETHINGTON, ROBERT L. CIVIL ENG Rolla, Mo.  
Phi Kappa Theta; C. L. Dake Society. WHITE, JAMES W. ELECT ENG Independence, Mo.  
Independents, MRHA; IEEE; Radio Club, Secretary. WHITE, ROBERT T., JR. CIVIL ENG Kirkwood, Mo.  
Kappa Sigma; ASCE. WHITEHEAD, JAMES DAVID CIVIL ENG DeWitt, Illinois  
ASCE. WHITNEY, DENNIS L. CHEMISTRY Kansas City, Mo.  
Fifty-niners; ACS; Wesley. WHITNEY, NOLAN D. MECH ENG Carrollton, Mo.  
Delta Sigma Phi; ASME; SAE; ASTME. WIGGINS, JOHN D. HISTORY Rolla, Mo.  
Football. WILBER, BRUCE KENNETH ENG MGT Mountain Home, Arkansas  
Fifty-niners; BSU. WILEY, ROGER DALE MECH ENG Carrollton, Mo.  
SAE; ASTME; ASME; Student Union Committee; Honor List. WILLIAMS, ALFRED G. PHYSICS Birch Tree, Mo.  
Fifty-niners; GDI; First Honor Roll. WILLIAMS, ALLEN HUGH ELECT ENG Alton, Illinois  
IEEE; Eta Kappa Nu. WILLIAMS, ANITA L. GEOLOGY St. Louis, Mo.  
C. L. Dake Society; Spelunkers, Secretary, Treasurer, President. WILLIAMS, HENRY WAYNE COMP SCI Florissant, Mo.  
Campus Club; MRHA, President; ACM; Management Society; Wesley; AUSA. WILLIAMS, JAMES R. MECH ENG St. Louis, Mo.  
GDI. WILLIAMS, JAMES T. MECH ENG Campbell, Mo.  
Delta Tau Delta; ASTME; SAE; APO; Student Council; Second Honor List; First Honor List. WILLIAMS, JEROME H. CIVIL ENG St. Louis, Mo.  
Beta Sigma Psi; ASCE; Gamma Alpha Delta; Chi Epsilon; Dean's List; Honor Roll. WILLIAMS, MICHAEL CLINTON MECH ENG Campbell, Mo.  
ASME; ASTME; SAE; Pi Tau Sigma; Tau Beta Pi. WILLIAMS, RAYMOND R. MECH ENG St. Louis, Mo.  
ASME. WILLIAMS, RICHARD CHEM ENG Decatur, Illinois  
Shamrock; MRHA; AICHe; Circle-K; Alpha Chi Sigma. WILMESHERR, ROBERT CLARENCE ELECT ENG Stony Hill, Mo.



IEEE; Tau Beta Pi; Eta Kappa Nu, Vice-President; Intercollegiate Knights; Eta Kappa Nu Scholarship; Curator's Scholarship; Honor List. WILSON, DYLE BRUCE MECH ENG Farmington, Illinois  
Campus Club; GDI; SAE; ASME; Iota Beta Sigma; Wesley. WILSON, RUSSELL CLARKE ELECT ENG Kirksville, Mo.  
Sigma Tau Gamma, Secretary; APO. WILSON, TERRY G. ELECT ENG Independence, Mo.  
Campus Club; GDI; MRHA; IEEE; Intercollegiate Knights; Dean's Honor List. WINDISH, MICHAEL W. MET St. Louis  
Phi Kappa Theta; AFS; Varsity Basketball; Varsity Baseball. WINFIELD, FRANK MECH ENG Kansas City, Mo.  
Alpha Phi Alpha, President, Vice-President, Secretary; St. Pat's Knight; Student Council; Association for Black Students, President; Curator's Scholarship; Football; All Conference First Team. WINKLER, THOMAS E. MECH ENG St. Louis, Mo.  
Fifty-niners; GDI; ASME; SAE; Newman; ICC; Student Union Board. WINSOR, BRUCE R. ELECT ENG St. Joseph, Mo.  
Fifty-niners; GDI; Phi Eta Sigma; Eta Kappa Nu; Scabbard and Blade; Pershing Rifles; College Young Republicans; Swift Merit Scholar; First Honor Roll. WOLFF, THOMAS F. CIVIL ENG Crestwood, Mo.  
MRHA; ASCE; Tau Beta Pi; Chi Epsilon; Curator's Award; Honor Roll. WOLGAMOTT, MONK L. ELECT ENG Neosho, Mo.  
IEEE. WOLTJEN, JOHN A. ELECT ENG St. Louis, Mo.  
Pi Kappa Alpha, Treasurer; IEEE; APO; Circle K; Blue Key; Eta Kappa Nu; Kappa Mu Epsilon, Historian; Rollamo, Organizations Editor; College Young Republicans; Gamma Alpha Delta, Secretary; Student Union Committees; First Honor Roll; Second Honor Roll. WOOD, JOHN F. COMP SCI St. Louis, Mo.  
MRHA; GDI; ACM; Kappa Mu Epsilon; Newman. WOODS, WARREN CHIP CIVIL ENG Kansas City, Mo.  
Sigma Pi; ASCE; APO. WORTMAN, DARREL E. ENG MGT Kansas City, Mo.  
Engineers, Treasurer; ICC; UMR Manage-

ment Society; Newman, President, Secretary. WRIGHT, RICHARD E. PET ENG Gravois Mills, Mo.  
Kappa Alpha; SPE; AIME. WUNDERLICH, DANIEL F. MECH ENG Union, Mo.  
GDI; ASME; SAE.

## Y

YACK, JOHN R. ENG MGT Midland, Michigan  
YOUNKER, FORREST A. MINING Boonville, Indiana  
GDI; AIME; First Honors; Second Honors; Co-op Scholarship with Peabody Coal Company. YOUNT, MICHAEL A. ELECT ENG Fredericktown, Mo.  
Eta Kappa Nu; First Honor List. YOUSEFIAN, JAVAD ELECT ENG Ralsenjan, Iran  
YOWELL, ROBERT HOWARD, JR. MECH ENG Independence, Mo.  
Sigma Nu; ASME; Intercollegiate Knights; Pi Tau Sigma; Honor List.

## Z

ZABORAC, THOMAS ALAN CIVIL ENG Cuba, Illinois  
Tech Club; GDI; Student Council; M-Club; Football. ZAGAR, ROBERT A. MECH ENG Webster Groves, Mo.  
Sigma Pi; ASME; ASHRAE; Professional Engineers. ZERBONIA, ROBERT ANTHONY CHEM ENG Hannibal, Mo.  
Engineers; AICHe; Alpha Chi Sigma; Honor List; Curator's Award. ZESCH, RAYMOND, JR. ELECT ENG St. Louis, Mo.  
Sigma Phi Epsilon; APO; St. Pat's Board. ZULLIG, DENNIS CER ENG Kansas City, Mo.  
Lambda Chi Alpha; ACS; Keramos; J. B. Arthur Scholarship; Honor Roll. ZUST, ERIC L. MATH St. Louis, Mo.  
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| Cover painted by . . . . .        | Fred Conway                                                                                          |
| Special Typists . . . . .         | Jeanne Luetkemeyer<br>Bobbie Wedge<br>Terri Collier<br>Linda Wollard<br>Jan Frassrand<br>Jan Schaper |

## A note about the cover

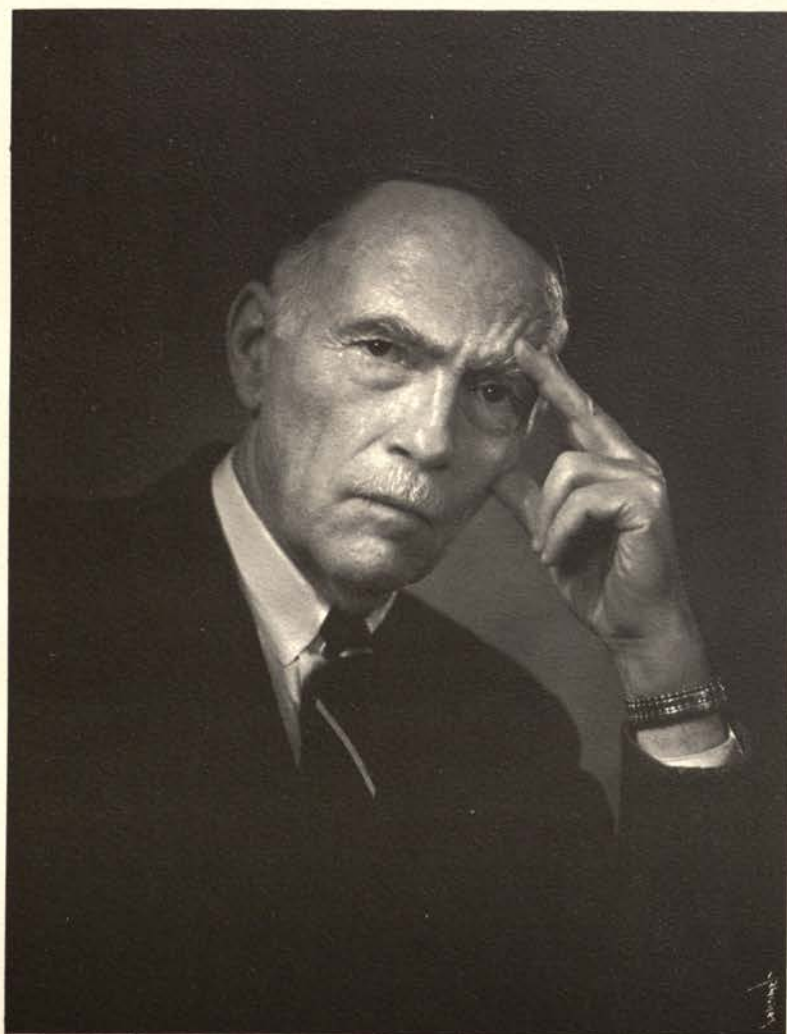
Well-known artist, Fred Conway, was commissioned by the Rollamo Board to do a mural of the first 100 years of UMR. This mini-mural, as Mr. Conway calls it, is entitled "UMR—The First 100 Years," and was used as the cover for the 1970 Rollamo. The original painting will hang in the new Student Center.

Fred Conway, a native St. Louisan, was born in 1900. He received his education from the Washington University School of Fine Arts and Julian's Academy in Paris, France. He has been a member of the faculty of Washington University since 1923 and holds the rank of professor. His courses include drawing, composition, and painting.

His most famous work, "The Tulsa Mural," is owned by the First National Bank of Tulsa. His works are owned by numerous Museums and collectors, including St. Louis City Art Museum, Denver Art Museum, Joslyn Memorial Art Museum, University of Illinois, Corcoran Gallery of Art, Container Corporation of America, and International Business Machines Corporation.

Mr. Conway has received commissions for murals from the First National Bank, Tulsa, Oklahoma; Brown Shoe Company, St. Louis; Mayo Clinic, Rochester, Minnesota; Barnes Hospital, St. Louis; and various murals for United States Embassies in Europe. He has also done murals for Peabody Coal Company and Channel 9 Television in St. Louis.

His favorite outside interest is golf, which he carries into his painting of "Golfers in Trouble." He has worked and studied in Chicago, Paris, Tunis, Tulsa, and New York. His biography appears in *Who's Who in American Art*. He is a member of the St. Louis Artists' Guild where he has served as Chairman of the Art Section. He is a member of the Board of Directors of the Painters' Gallery. He and his wife, Helen, live in St. Louis.



Fred Conway





## Editor's Note

The 1970 Rollamo is now complete. This year ideas were incorporated in an attempt to make this book appealing and satisfactory to each student at the University of Missouri Rolla. With the exception of the centennial and opening sections of the book a monodrain layout was used. This was done in order to employ the use of more pictures. In the centennial and opening sections a modification of the monodrain layout was used, thus giving the reader freedom from the rather tight design used throughout the rest of the book.

In acquiring photographs, student photography was used as much as possible. I think everyone will agree that the photography staff did an excellent job.

In planning the book we made no lavish attempt to cover the history of the school nor did we feature the prospect of a bright future for UMR. Our sole purpose was to show the university as it is now, in its 100th year, with devoted faculty and students working toward the same goal.

I owe gratitude to a great many people, without whose help the 1970 Rollamo would never have been possible. First of all, a special thanks to Professor Karl Moulder for his help throughout the year. Thanks also to Mr. Joe Hook and everyone at Walsworth Publishing Company, for their helpful suggestions and wonderful cooperation.

Also thanks to Keith, Chuck, Dennis, and Gary for their assistance during these final hectic weeks. I would also like to recognize Roger, John, Dave, and the rest of the photography staff for their work in capturing the events that have made up our 100th year.

Being the editor of the 1970 Rollamo has been a very challenging and rewarding experience and I sincerely hope that I have met the challenge well.

Max Schellman  
editor-in-chief

## Colophon

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